

April Models

Model 1

First group Choose the correct answer from the given ones:

(1) Which of the following triangles is an isosceles triangle?



(2) One of sides of the angles RHS is _____

- a. $\overrightarrow{HR}$ b. $\overrightarrow{RS}$ c. $\overrightarrow{SH}$ d. $\overrightarrow{RH}$

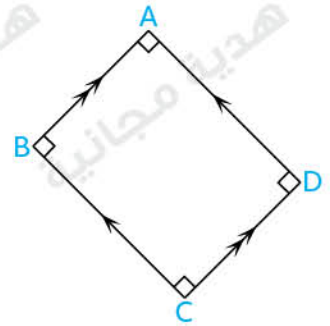
Second group Answer the following questions:

(1) In the opposite figure :

Identify :

a. A pair of parallel line segments.

b. A pair of perpendicular line segments.



(2) Draw an angle of measure 90°

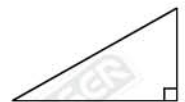


(3) Write the type of the angle that represents $\frac{1}{2}$ of a circle.

(4) Write the type of the opposite triangle

a. According to its angles. _____

b. According to its sides. _____



Model 2

First group Choose the correct answer from the given ones:

(1) In the opposite figure :

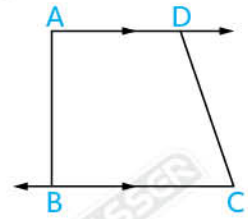
The pair of parallel line segments are _____

a. $\overline{AB}$ and $\overline{DC}$

b. $\overline{AD}$ and $\overline{BC}$

c. $\overline{AB}$ and $\overline{BC}$

d. $\overline{CB}$ and $\overline{CD}$



(2) The name of the opposite figure

is _____

a. $\overline{XY}$

b. $\overleftrightarrow{XY}$

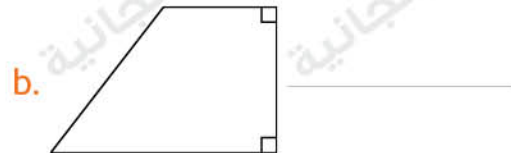
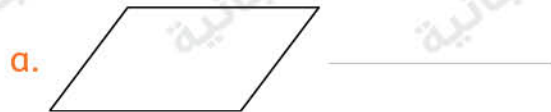
c. $\overrightarrow{XY}$

d. $\overrightarrow{YX}$



Second group Answer the following questions:

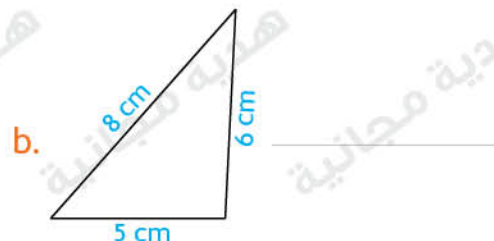
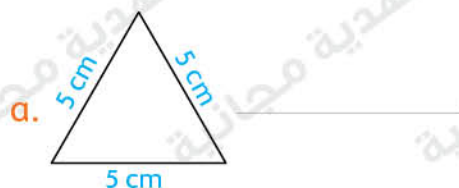
(1) How many acute angles are there in each figure ?



(2) Draw an angle of measure 70° .



(3) Determine the type of each of the following triangles according to their sides.



(4) Write the name of a quadrilateral in each of the following cases :

a. If it has 2 pairs of parallel sides , 4 equal sides in length and 4 same-sized angles. _____

b. Only one pair of parallel sides , has different sides in length and different angles in measure. _____

Model 3

First group Choose the correct answer from the given ones:

(1) The number of lines of symmetry of a rectangle is _____

- a. 0 b. 1 c. 2 d. 4

(2) The figure that shows an obtuse angle is _____



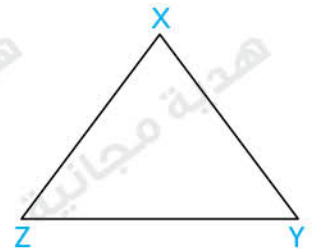
Second group Answer the following questions:

(1) By using your geometric instruments :

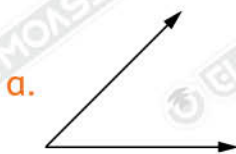
Determine the type of the opposite triangle

a. Type of $\triangle XYZ$ according to its sides is _____

b. Type of $\triangle XYZ$ according to its angles is _____



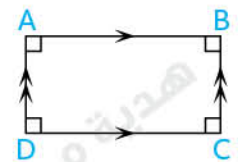
(2) Use the protractor to measure the following angles , then identify their types.



(3) From the opposite figure :

a. $\overline{AB}$ and _____ are parallel.

b. $\overline{BC}$ and _____ are perpendicular.



(4) Write the name of a quadrilateral in each of the following cases :

a. It is a rectangle with four-equal sides _____

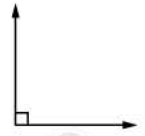
b. It is a rhombus with four-equal angles _____

Model 4

First group Choose the correct answer from the given ones:

(1) The type of the opposite angle is _____ angle.

- a. an acute
- b. an obtuse
- c. a right
- d. a straight

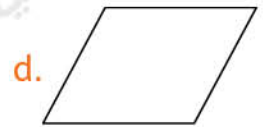


(2) The angle of measure 180° represents _____

- a. $\frac{1}{4}$ of a full rotation.
- b. $\frac{1}{2}$ of a full rotation.
- c. $\frac{1}{3}$ of a full rotation.
- d. $\frac{3}{4}$ of a full rotation.

Second group Answer the following questions:

(1) Write the name of each of the following shapes.

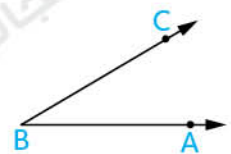


(2) Write the name of each pair of lines (parallel - intersecting and not perpendicular - perpendicular)



(3) From the opposite figure , complete :

- a. Name of the angle _____
- b. Sides of the angle _____ and _____



(4) Who am I ?

- a. I am a triangle with three different sides _____
- b. I am a triangle with only one angle greater than a right angle _____

Model 5

First group Choose the correct answer from the given ones:

- (1) The isosceles triangle has _____ equal sides in length.
 a. no b. one c. two d. three
- (2) The type of the angle that represents $\frac{1}{4}$ of a circle is _____ angle.
 a. an acute b. a right c. an obtuse d. a straight

Second group Answer the following questions:

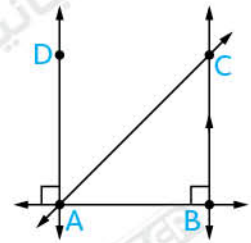
- (1) Write the name of each figure :



- (2) In the opposite figure :

Identify :

- a. A pair of parallel lines. _____
- b. A pair of perpendicular lines. _____

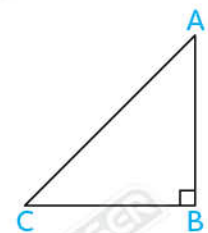


- (3) Use the protractor , draw $\angle XYZ$ of measure 100° , determine its type.



- (4) Determine the type of the triangle according to :

- a. Its sides _____
- b. Its angles _____



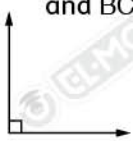
Answers of April Models

Model 1

First group

1. (b) 2. (a)

Second group

1. (a) $\overline{AB}$ and $\overline{DC}$ or $\overline{BC}$ and $\overline{AD}$
 (b) $\overline{AB}$ and $\overline{AD}$ or $\overline{AD}$ and $\overline{DC}$ or $\overline{DC}$ and $\overline{BC}$ or $\overline{AB}$ and $\overline{BC}$
2. 
3. Straight angle.
4. (a) Right-angled triangle.
 (b) Scalene triangle.

Model 2

First group

1. (b) 2. (c)

Second group

1. (a) 2 (b) 1
2. 
3. (a) Equilateral triangle.
 (b) Scalene triangle.
4. (a) Square.
 (b) Trapezium.

Model 3

First group

1. (c) 2. (b)

Second group

1. (a) an isosceles triangle.
 (b) an acute-angled triangle.
2. (a) 45° (acute angle) (b) 120° (obtuse angle)
3. (a) $\overline{DC}$ (b) $\overline{CD}$ or $\overline{AB}$
4. (a) Square (b) Square

Model 4

First group

1. (c) 2. (b)

Second group

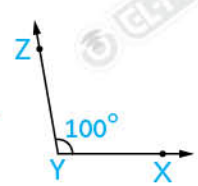
1. (a) Square (b) Rectangle
 (c) Rhombus (d) Parallelogram
2. (a) Parallel (b) Perpendicular
 (c) Intersecting and not perpendicular
3. (a) $\angle ABC$ or $\angle CBA$
 (b) $\overrightarrow{BA}$ and $\overrightarrow{BC}$
4. (a) Scalene triangle
 (b) Obtuse-angled triangle

Model 5

First group

1. (c) 2. (b)

Second group

1. (a) $\overleftrightarrow{CD}$ (b) $\overleftrightarrow{MN}$
2. (a) $\overleftrightarrow{AD}$ and $\overleftrightarrow{BC}$
 (b) $\overleftrightarrow{AD}$ and $\overleftrightarrow{AB}$ or $\overleftrightarrow{BC}$ and $\overleftrightarrow{BA}$
3. 
 obtuse angle
4. (a) An isosceles triangle.
 (b) A right-angled triangle.

First Choose the correct answer:

2

1 $\frac{20}{100} + \frac{5}{10} = \dots\dots\dots$

a) $\frac{70}{10}$

b) $\frac{70}{100}$

c) $\frac{7}{100}$

d) 0.07

2 The two perpendicular lines

a) are intersecting

b) are parallel

c) make an obtuse angle

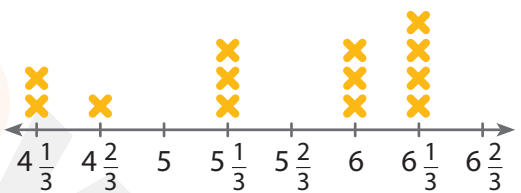
d) make an acute angle

Second Answer each of the following:

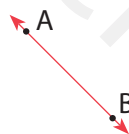
8

1 From the opposite line plot, complete:

The number which is the most repeated is



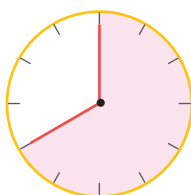
2 Draw $\overleftrightarrow{MN}$ parallel to $\overleftrightarrow{AB}$



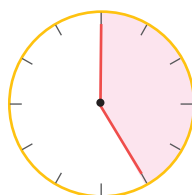
3 Mention three types of graphs to represent data.

.....

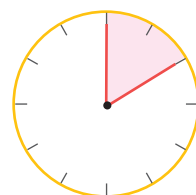
4 Write the angle which represents the colored part in each of the following:



.....



.....



.....

First Choose the correct answer:

2

- 1 The measure of the straight angle = the measure of the circle.
 a) $\frac{1}{2}$ b) $\frac{1}{3}$ c) $\frac{1}{4}$ d) $\frac{1}{5}$
- 2 The vertical and the horizontal rays on the graph are called
 a) key b) labels c) axes d) title

Second Answer each of the following:

8

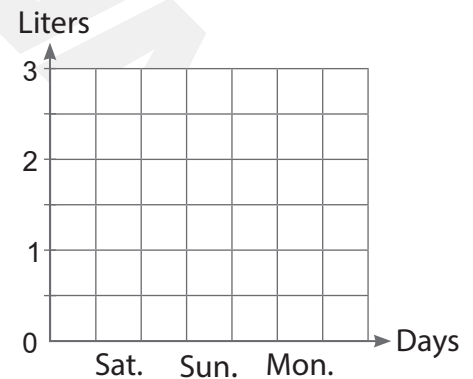
- 1 Ahmed drank $\frac{3}{10}$ L of water while training in morning, then he drank $\frac{35}{100}$ L of water while training in evening. **How much water did Ahmed drink while training in that day?**

2 Complete:

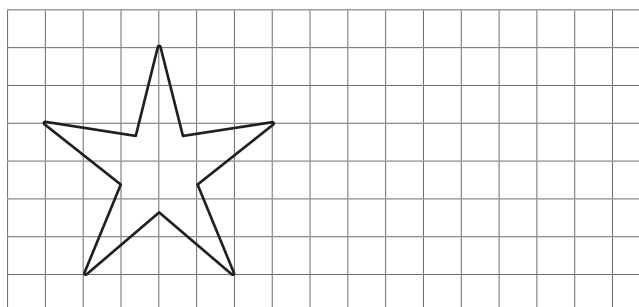
- (a) The opposite angle represents a/an angle.
- (b) The triangle has no equal sides.
- (c) The quadrilateral that has 4 equal sides and 4 right angles is called a

- 3 The following table shows the number of liters Salem drank during some days of the week. **Represent the data by a bar graph.**

Days	Saturday	Sunday	Monday
Liters	1	$1\frac{1}{2}$	$2\frac{1}{2}$



- 4 Draw a line of symmetry for the following to make a symmetrical shape.



First Choose the correct answer:

2

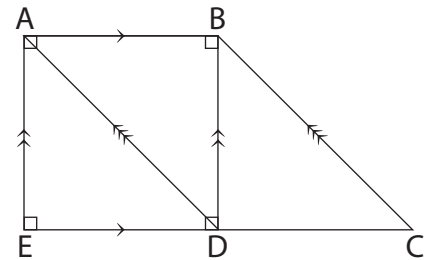
- 1 is an exact location in space.
 a) A line b) A line segment c) A point d) A ray
- 2 To compare between marks of Sami and Laila, we use a
 a) picture representation b) bar graph
 c) double bar graph d) line plot

Second Answer each of the following:

8

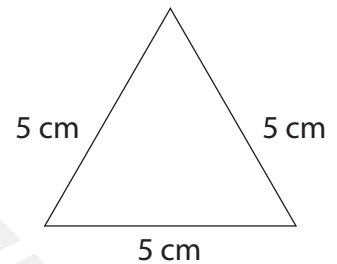
- 1 Observe the following figure, then complete:

- (a) $\overline{AB}$ is perpendicular to and
- (b) $\overline{AD}$ is parallel to



- 2 Complete:

- (a) The rhombus has equal sides.
- (b) The type of the opposite triangle according to its angles is
- (c) The trapezium has line(s) of symmetry.



- 3 Draw $\overleftrightarrow{AB}$ perpendicular to $\overleftrightarrow{CD}$.



- 4 The opposite table shows the favorite color for some students, observe then answer:

- (a) What is the most favorite color?
- (b) How many students liked yellow and red?
- (a)
- (b)

The favorite color

Red	17
Yellow	13
Black	25

First Choose the correct answer:

2

1 $\frac{20}{100} + \frac{5}{10} = \dots\dots\dots$

a) $\frac{70}{10}$

b) $\frac{70}{100}$

c) $\frac{7}{100}$

d) 0.07

2 The two perpendicular lines

a) are intersecting

b) are parallel

c) make an obtuse angle

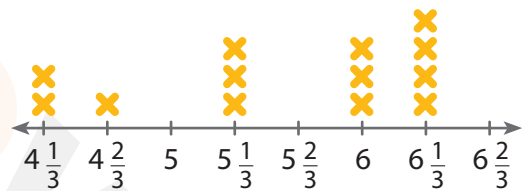
d) make an acute angle

Second Answer each of the following:

8

1 From the opposite line plot, complete:

The number which is the most repeated is $6\frac{1}{3}$



2 Draw $\overleftrightarrow{MN}$ parallel to $\overleftrightarrow{AB}$



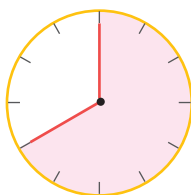
3 Mention three types of graphs to represent data.

► Line plot

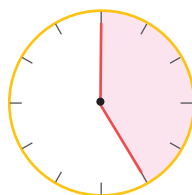
► Bar graph

► Double bar graph

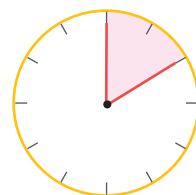
4 Write the angle which represents the colored part in each of the following:



(240°)



(150°)



(60°)

First Choose the correct answer:

2

- The measure of the straight angle = the measure of the circle.
a) $\frac{1}{2}$ b) $\frac{1}{3}$ c) $\frac{1}{4}$ d) $\frac{1}{5}$
- The vertical and the horizontal rays on the graph are called
a) key b) labels c) axes d) title

Second Answer each of the following:

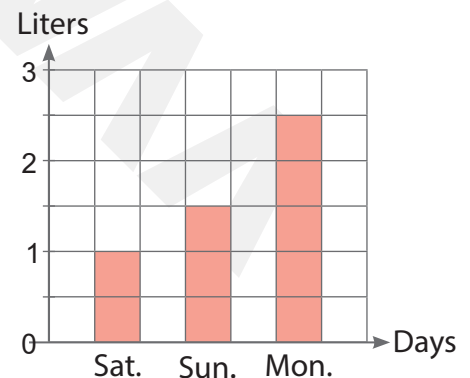
8

- Ahmed drank $\frac{3}{10}$ L of water while training in morning, then he drank $\frac{35}{100}$ L of water while training in evening. **How much water did Ahmed drink while training in that day?**

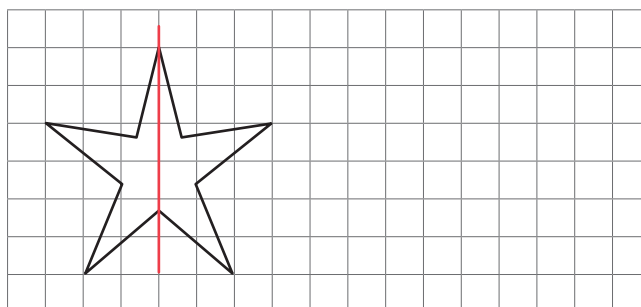
$$\begin{aligned} \text{What Ahmed drank while training during that day} &= \frac{3}{10} + \frac{35}{100} \\ &= \frac{30}{100} + \frac{35}{100} \\ &= \frac{65}{100} \text{ L of water} \end{aligned}$$

- Complete:
(a) The opposite angle represents a/an **obtuse** angle.
(b) The **scalene** triangle has no equal sides.
(c) The quadrilateral that has 4 equal sides and 4 right angles is called a **square**.
- The following table shows the number of liters Salem drank during some days of the week. **Represent the data by a bar graph.**

Days	Saturday	Sunday	Monday
Liters	1	$1\frac{1}{2}$	$2\frac{1}{2}$



- Draw a line of symmetry for the following to make a symmetrical shape.



First Choose the correct answer:

2

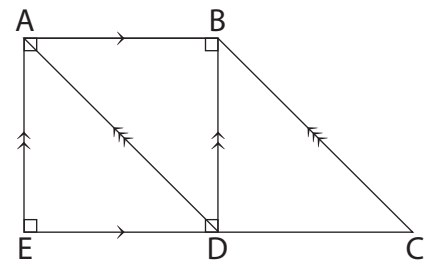
- 1 is an exact location in space.
 a) A line b) A line segment c) A point d) A ray
- 2 To compare between marks of Sami and Laila, we use a
 a) picture representation b) bar graph
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Second Answer each of the following:

8

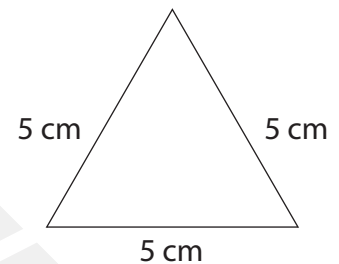
- 1 Observe the following figure, then complete:

- (a) $\overline{AB}$ is perpendicular to $\overline{BD}$ and $\overline{AE}$.
- (b) $\overline{AD}$ is parallel to $\overline{BC}$.

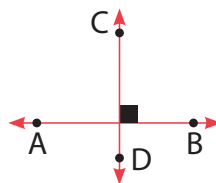


- 2 Complete:

- (a) The rhombus has 4 equal sides.
- (b) The type of the opposite triangle according to its angles is acute-angled triangle.
- (c) The trapezium has 1 line(s) of symmetry.



- 3 Draw $\overleftrightarrow{AB}$ perpendicular to $\overleftrightarrow{CD}$.



- 4 The opposite table shows the favorite color for some students, observe then answer:

- (a) What is the most favorite color?
- (b) How many students liked yellow and red?
- (a) The most favorite color is black.
- (b) The number of students who liked yellow and red is $13 + 17 = 30$ students

The favorite color

Red	17
Yellow	13
Black	25

Assessment

on Lessons 8&9

Unit 10

1 Choose the correct answer:

a $3\frac{5}{10}$ 3.05

($\geq$ or $>$ or $=$ or $<$)

b $\frac{5}{8}$ $\frac{3}{4}$

($\geq$ or $>$ or $=$ or $<$)

c $2.5 > \dots\dots\dots$

(54.2 or 2.5 or 16.2 or 5.52)

d $\frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \dots\dots\dots$

($2\frac{3}{5}$ or $1\frac{4}{5}$ or $\frac{3}{5}$ or $\frac{9}{15}$)

e The Multiplicative Identity Property is $\dots\dots\dots$ ($\frac{3}{4}$ or $\frac{1}{2}$ or 1 or 0)

2 Complete the following:

a $2.15 = \frac{\dots\dots\dots}{100}$

b $12\frac{1}{2} = \dots\dots\dots$

(As a decimal)

c $\frac{3}{5} = \frac{\dots\dots\dots}{10} = \frac{\dots\dots\dots}{100}$

d 1,015 Hundredths = $\dots\dots\dots$ (As a decimal)

e Seventy and seven-hundredths = $\dots\dots\dots$ (As a decimal)

3 Answer the following:

a Hossam bought 5 pens of the same type; the price of one pen is $\frac{3}{4}$ pound. How much money did Hossam pay for the pens?

.....
.....

b Which is greater, 0.3 of a pizza or $\frac{43}{100}$ of the same pizza?

.....
.....

Assessment

on Lessons 10&11

Unit 10

1 Choose the correct answer:

a $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \dots\dots\dots$ ($\frac{5}{35}$ or $\frac{5}{7}$ or $\frac{1}{7}$ or $\frac{1}{35}$)

b $\frac{12}{24} = \frac{\dots\dots}{8}$ (1 or 3 or 4 or $\frac{1}{2}$)

c $3\frac{5}{8}$ is a/an $\dots\dots\dots$

(proper fraction or improper fraction or mixed number or whole number)

d $3.05 = \dots\dots\dots$ ($3\frac{5}{100}$ or $3\frac{5}{10}$ or $30\frac{5}{10}$ or $30\frac{5}{100}$)

e $\frac{4}{10} + \dots\dots\dots = \frac{64}{100}$ ($\frac{60}{10}$ or $\frac{60}{100}$ or $\frac{6}{10}$ or $\frac{24}{100}$)

2 Find the result:

a $2\frac{3}{10} + 2\frac{65}{100} = \dots\dots\dots$

b $3\frac{1}{5} - 1\frac{4}{5} = \dots\dots\dots$

c $4\frac{3}{4} + 2\frac{1}{4} = \dots\dots\dots$

d $5 \times \frac{3}{4} = \dots\dots\dots$

3 Answer the following:

a Karim had 10 pounds. He bought a pen for $3\frac{6}{10}$ pounds, and an eraser for $2\frac{40}{100}$ pounds. Find the remaining money with him.
 $\dots\dots\dots$

b Write the following fraction as a decimal, then write its different forms.

• Fraction: $14\frac{15}{100}$

1 Decimal: $\dots\dots\dots$

2 Word Form: $\dots\dots\dots$

3 Expanded Form: $\dots\dots\dots$

4 Unit Form: $\dots\dots\dots$

Assessment on Concept 3



Unit 10

First: Choose the correct answer:

1 Seventy and seven-hundredths = (70.70 or 70.07 or 7.07 or 70.7)

2 $3\frac{12}{100} =$ (3.12 or 30.12 or 31.2 or 31.02)

3 $50 + 2 + 0.8 + 0.09 =$ (528.9 or 52.09 or 52.89 or 50.29)

4 $7.05 =$ ($7\frac{5}{10}$ or $70\frac{5}{10}$ or $70\frac{5}{100}$ or $7\frac{5}{100}$)

5 0.08 0.8 ($\leq$ or $<$ or $=$ or $>$)

6 0.10 $\frac{5}{5}$ ($\leq$ or $<$ or $=$ or $>$)

7 0.50 $\frac{1}{2}$ ($\leq$ or $<$ or $=$ or $>$)

8 $\frac{4}{10} +$ $= \frac{44}{100}$ ($\frac{40}{100}$ or $\frac{4}{100}$ or $\frac{4}{10}$ or $\frac{40}{10}$)

9 $5 = 2\frac{5}{10} +$ ($2\frac{5}{100}$ or $2\frac{50}{10}$ or $2\frac{50}{100}$ or $3\frac{5}{10}$)

10 $3\frac{1}{10} + 3\frac{11}{100} =$ ($6\frac{12}{10}$ or $7\frac{21}{100}$ or $6\frac{21}{100}$ or $3\frac{21}{100}$)

Second: Complete the following:

1 Thirty-three and three-tenths = (As a decimal)

2 $15\frac{3}{100} =$ (As a decimal)

3 $2.08 =$ (As a fraction)

Assessment on Unit 10

4 $\frac{5}{10} = \frac{\dots\dots\dots}{100}$

5 $\frac{3}{10} = \frac{\dots\dots\dots}{100}$

6 $50 + 0.7 + 0.04 = \dots\dots\dots$

7 5 Ones , 3 Hundredths = $\dots\dots\dots$

8 2.15 (In expanded form) = $\dots\dots\dots$

9 57.40 (In word form) = $\dots\dots\dots$

10 $\frac{3}{10}$ pound and $\frac{25}{100}$ pound, the greatest amount is $\dots\dots\dots$

Third: Answer the following:

1 Find the result:

a $\frac{18}{100} + \frac{45}{100} = \dots\dots\dots$

b $\frac{4}{10} + \frac{9}{10} = \dots\dots\dots = \dots\dots\dots$

c $2\frac{1}{10} + 3\frac{68}{100} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

d $4\frac{5}{100} + 2\frac{5}{10} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

2 Ahmed had $3\frac{25}{100}$ pounds and his mother gave him $6\frac{75}{100}$ pounds.

How much money does Ahmed have now?

$\dots\dots\dots$
 $\dots\dots\dots$

Assessment

1

on



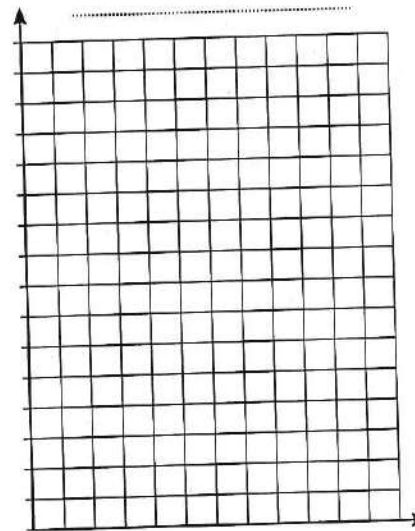
Unit 11

First: Write the appropriate **graph type** for each of the following: (Bar Graph - Double Bar Graph - Line Plot Graph)

- 1 The number of boys and girls in the first four grades of a school. (.....)
- 2 The favourite animal of a group of boys and girls. (.....)
- 3 Population number in some Egyptian cities. (.....)
- 4 The price of one type of vegetables within 7 days. (.....)
- 5 The favourite game of a number of students. (.....)
- 6 The means of transportation that a number of students use to go to school. (.....)
- 7 The season of the year preferred by a number of people. (.....)

Second: The following table shows the values of book sales in 1,000 LE of a book store during the first four months of two years:

Month	January	February	March	April
2020	5	$5\frac{1}{2}$	6	$5\frac{1}{2}$
2021	$7\frac{1}{2}$	5	$6\frac{1}{2}$	7



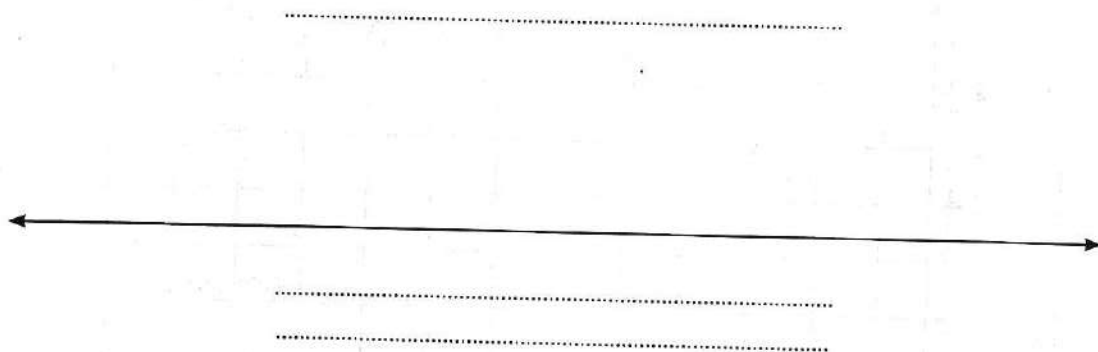
- 1 Represent this data using the **double bar graph**.
- 2 What is the month with the **highest** sales in **2020**?
- 3 What is the month with the **least** sales in **2021**?
- 4 What are the total sales of **April** in the two years?

Third: The following table shows the **favorite seasons** for a number of students:

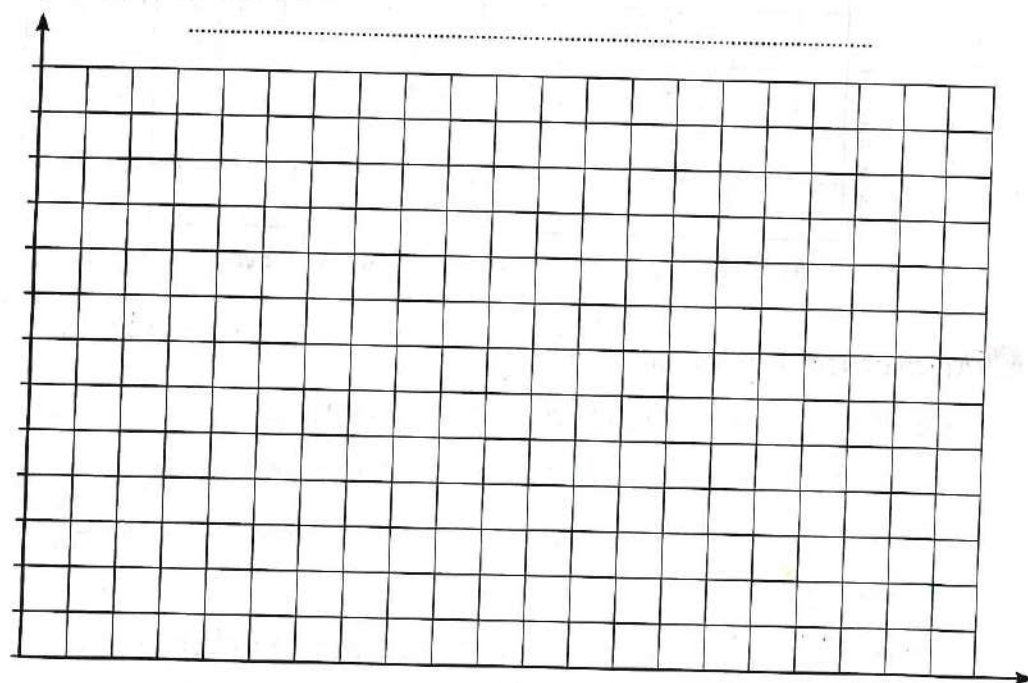
1 Complete the following table:

Favorite Season	Winter	Spring	Summer	Autumn
Tally				
Number of Students				

2 Represent this data using the following **line plot graph**:



3 Represent this data using the following **horizontal bar graph**:



Assessment

2

on

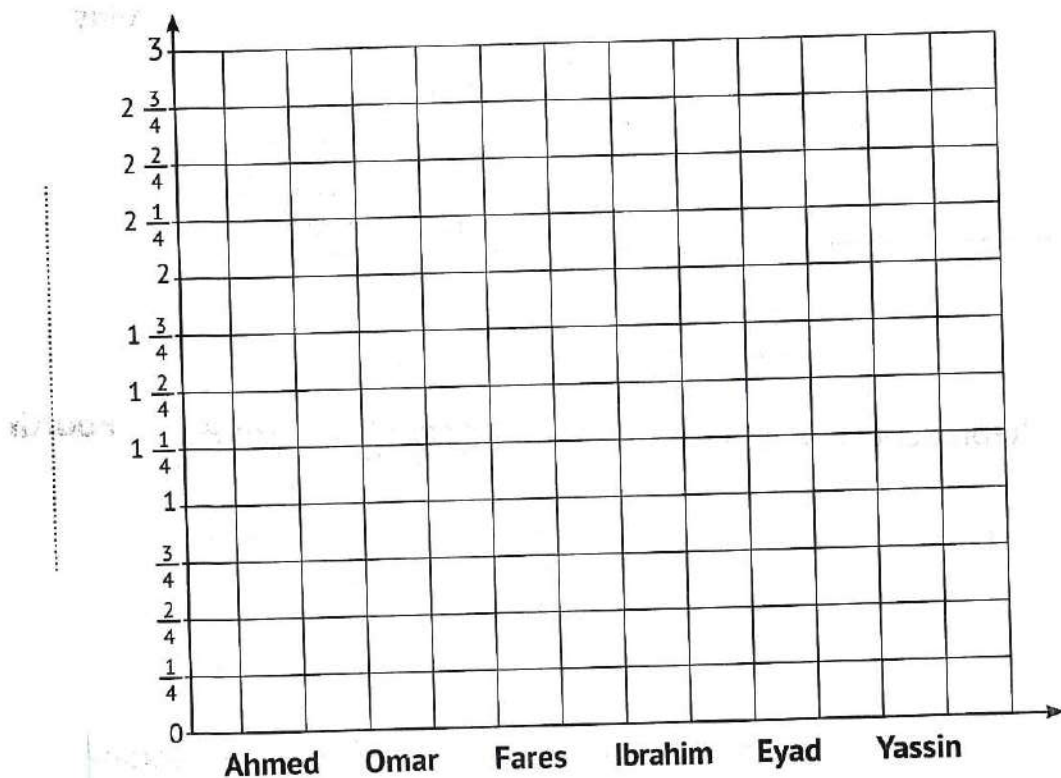


Unit 11

First: 6 students roll a ball of mass 10 kg as far as possible and the results are as shown in the following table:

Student	Ahmed	Omar	Fares	Ibrahim	Eyad	Yassin
Distance	$1\frac{1}{4}$ m	$\frac{3}{4}$ m	$1\frac{3}{4}$ m	$2\frac{1}{2}$ m	$\frac{3}{4}$ m	$\frac{1}{2}$ m

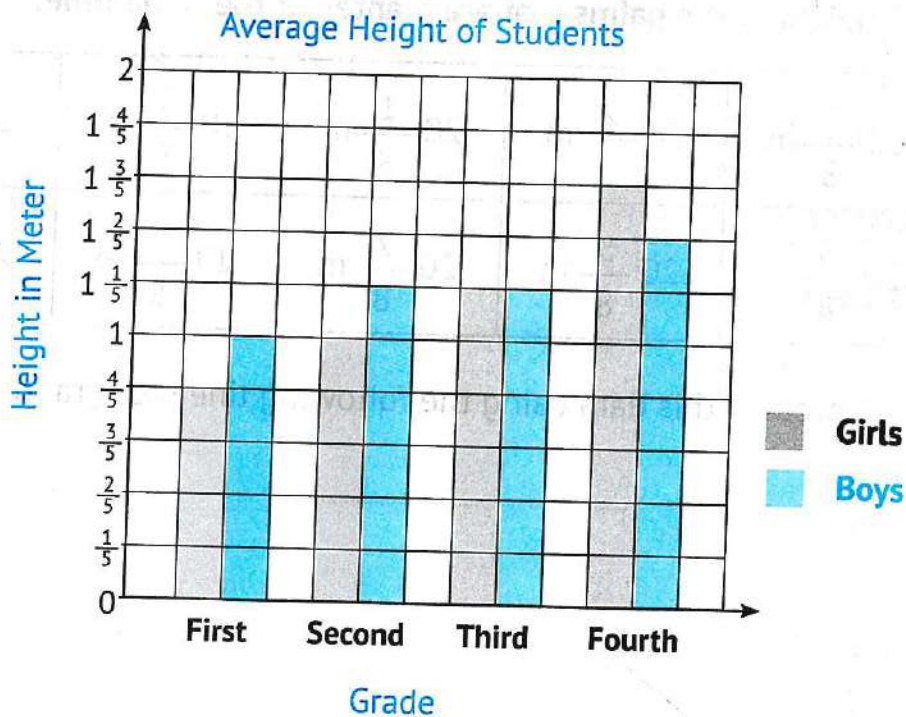
a Represent this data using the following bar graph.



b Answer the following:

- Who rolled the ball the **longest** distance?
- Who rolled the ball the **shortest** distance?
- What is the **total** distance that Omar and Fares rolled the ball together?
- How **much longer** is the distance of the ball rolled by Ibrahim than by Yassin?

Second: Use the following **graph** to complete the data in the table, then answer:



Grade	First	Second	Third	Fourth
Average Height of Girls				
Average Height of Boys				

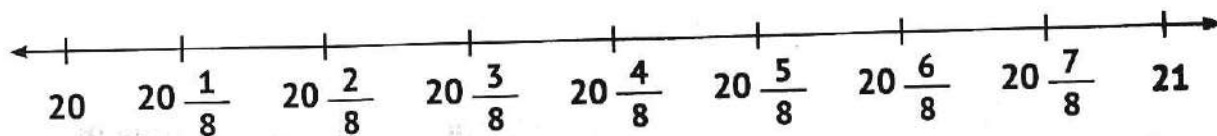
• Answer the following:

- What is the average height of **boys** in the **second** grade?
- In which class is the average height of **girls** equal to the average height of **boys**?
- In which class is the average height of **girls** greater than the average height of **boys**?
- How much more is the average height of **boys** greater than the average height of **girls** in the **first** grade?

Third: Ramy works in palm cultivation, and the following data shows the height of the palms that are planted at the same time:

$20\frac{1}{8}$ m	$20\frac{2}{8}$ m	$20\frac{1}{8}$ m	$20\frac{3}{8}$ m	$20\frac{1}{8}$ m
$20\frac{3}{8}$ m	$20\frac{5}{8}$ m	$20\frac{7}{8}$ m	$20\frac{5}{8}$ m	$20\frac{1}{8}$ m

a Represent this data using the following line plot graph:



$x =$

b Answer the following:

1 How many palm trees are represented on the graph?

.....

2 What is the most frequent height of the palm trees?

.....

3 What heights are on the number line that are not represented?

.....

Assessment on Concept

1



Unit 12

First: Choose the correct answer:

1 A is a part of a straight line with two end points.
(point or line segment or ray or straight line)

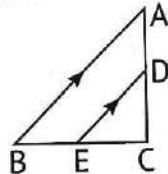
2 A is a line that continues forever in both directions.
(point or line segment or ray or straight line)

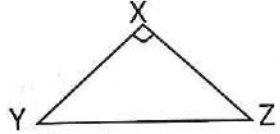
3 A is a part of a line that has a starting point but no end point.
(point or line segment or ray or straight line)

4  is called
($\overleftrightarrow{AB}$ or $\overline{AB}$ or $\overrightarrow{AB}$ or $\overleftarrow{AB}$)

5  is called
($\overleftrightarrow{BC}$ or $\overline{CB}$ or $\overrightarrow{BC}$ or $\overleftarrow{CB}$)

6  is called
($\overleftrightarrow{DC}$ or $\overline{CD}$ or $\overrightarrow{CD}$ or $\overleftarrow{CD}$)

7 In the opposite figure:
 $\overline{AB}$ and are parallel.
($\overline{DE}$ or $\overline{AC}$ or $\overline{BC}$ or $\overline{CE}$)

8 In the opposite figure:
 $\overline{XY}$ and are perpendicular.
($\overline{XY}$ or $\overline{XZ}$ or $\overline{YX}$ or $\overline{ZY}$)

Second: Complete the following:

- Two parallel straight lines meet at point(s).
- Two intersecting straight lines meet at point(s).
- The square has line(s) of symmetry.
- Any polygon consists of at least sides.
- The figure  is called
- The ray is a part of a straight line that has starting point(s)
and end point(s).

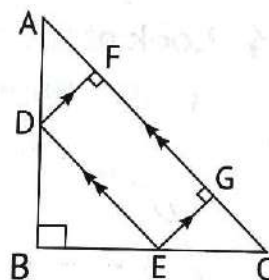
- 7 The opposite figure represents a ray starting at point and passes through point



Third: Answer the following:

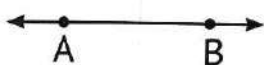
- 1 Use the following figure to answer the following questions:

- a $\overline{AB}$ and are perpendicular.
- b $\overline{EG}$ and are perpendicular.
- c $\overline{DE}$ and are parallel.
- d $\overline{DF}$ and are perpendicular.
- e $\overline{EG}$ and are parallel.



- 2 Draw:

- a $\overleftrightarrow{DC}$ parallel to $\overleftrightarrow{AB}$



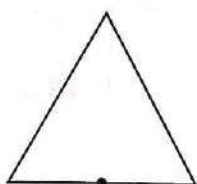
- b $\overleftrightarrow{DC}$ perpendicular to $\overleftrightarrow{AB}$



- c Ray AB



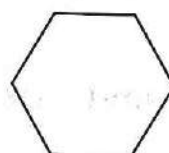
- d Line(s) of symmetry



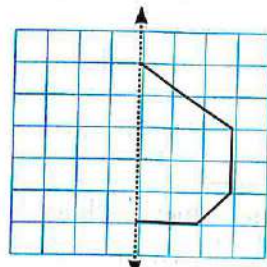
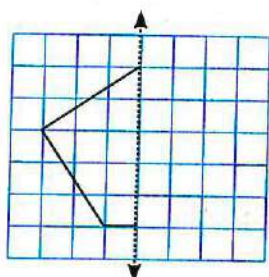
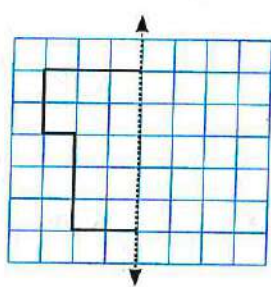
- e Line(s) of symmetry



- f Line(s) of symmetry



- 3 Draw the other half of the figure around the axis of symmetry to complete each shape:



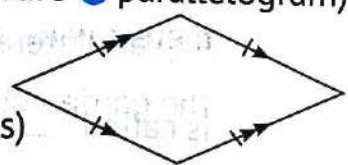
Assessment on Concept 2



Unit 12

First: Choose the correct answer:

- 1 The opposite figure represents a/an angle.
(acute ☐ or right ☐ or obtuse ☐ or straight ☐
- 2 The opposite figure represents a/an angle.
(acute ☐ or right ☐ or obtuse ☐ or straight ☐
- 3 4 cm, 5cm, and cm represent the lengths of the sides of an isosceles triangle.
(4 ☐ or 9 ☐ or 1 ☐ or 20 ☐
- 4 A triangle that contains one right angle and two acute angles is called a/an triangle. (acute ☐ or right ☐ or obtuse ☐ or equilateral ☐
- 5 An acute triangle contains
(3 acute angles ☐ or an obtuse angle and 2 acute angles ☐ or one right angle and two acute angles ☐ or only two acute angles ☐
- 6 Any triangle has acute angle(s) at least. (1 ☐ or 2 ☐ or 3 ☐ or 4 ☐
- 7 A is a quadrilateral with two pairs of parallel sides and all of its sides are equal.
(rectangle ☐ or trapezium ☐ or rhombus ☐ or parallelogram ☐
- 8 A is a quadrilateral with two pairs of parallel sides and all of its angles are right angles.
(rectangle ☐ or trapezium ☐ or rhombus ☐ or parallelogram ☐
- 9 A is a quadrilateral with only one pair of parallel sides.
(rectangle ☐ or trapezium ☐ or square ☐ or parallelogram ☐
- 10 The opposite figure represents a
(rectangle ☐ or square ☐ or trapezoid ☐ or rhombus ☐

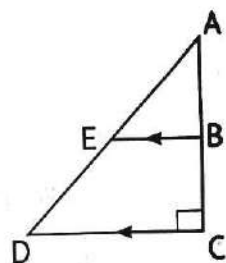


Second: Complete the following:

- 1 The right angle is greater than the angle.
- 2 angle is a type of angle whose sides are perpendicular and form a square vertex.
- 3 A/An is a geometric figure resulting from the meeting of two lines at one point.
- 4 6 cm, cm, and cm are the lengths of the sides of an equilateral triangle.
- 5 An obtuse triangle contains an obtuse angle and acute angle(s).

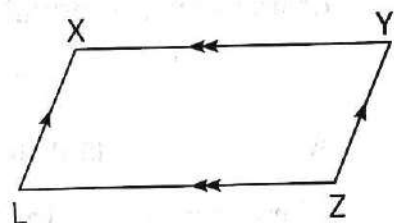
6 In the opposite figure:

- a $\overline{EB}$ and are parallel.
- b $\overline{AC}$ and are perpendicular.



7 In the opposite figure:

- a $\overline{XY}$ and are parallel.
- b $\overline{ZY}$ and are parallel.



- 8 Quadrilaterals that have 4 equal sides are and
- 9 Quadrilaterals that have 4 right angles are and
- 10 A quadrilateral that has only two parallel and unequal sides is called

Third: Answer the following:

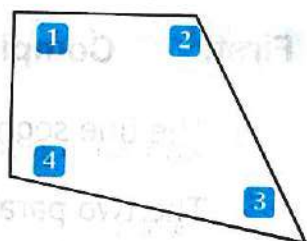
1 Using the following figure, write the type of each angle:

a Angle (1) is a/an angle.

b Angle (2) is a/an angle.

c Angle (3) is a/an angle.

d Angle (4) is a/an angle.

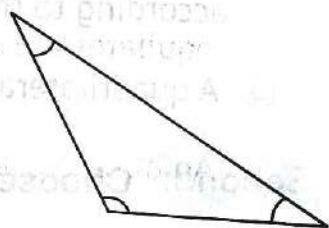


2 In the following figure, use the ruler to measure the sides of the triangle, then complete the following:

The type of the triangle according to:

a The length of its sides is

b The type of its angles is



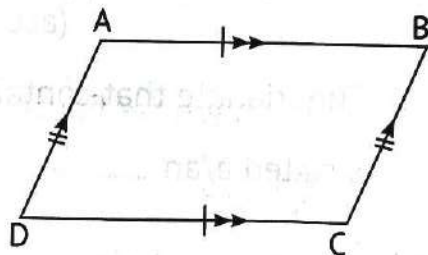
3 Complete using the following figure:

a $\overline{AB}$ and are parallel.

b $\overline{AD}$ and are parallel.

c $AB = \dots\dots\dots$

d $AD = \dots\dots\dots$



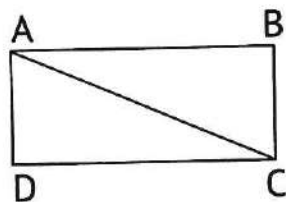
First: Complete the following:

- 1 The line segment has end point(s).
- 2 The two parallel straight lines meet at point(s).
- 3 The square has line(s) of symmetry.
- 4 The type of triangle whose side lengths are 3 cm, 4 cm, and 5 cm according to the lengths of its sides is triangle.
- 5 A quadrilateral that has a pair of parallel and unequal sides is

Second: Choose the correct answer:

- 1 A is a line that continues forever in both directions.
(line segment or ray or straight line or point)
- 2 The opposite figure represents a/an angle.
(acute or upright or obtuse or straight)
- 3 The triangle that contains one obtuse angle and two acute angles is called a/an triangle.
(acute or right or equilateral or obtuse)
- 4 A polygon with 3 sides is called a
(triangle or quadrilateral or pentagon or rhombus)
- 5 In the opposite figure:
AB and are parallel.

(AC or DC or BC or AD)



Study the following figure, then complete:

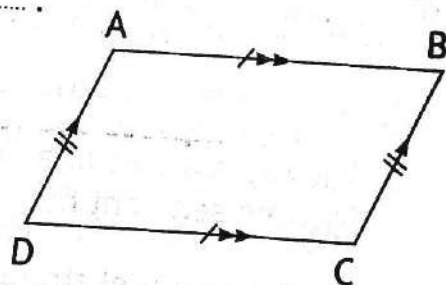
The opposite figure is called

$\overline{AB}$ and are parallel,

$AB = \dots\dots\dots$

$\overline{AD}$ and are parallel,

$AD = \dots\dots\dots$



d Angles (B) and (D) are angles.

e Angles (A) and (C) are angles.

Fourth: Answer the following:

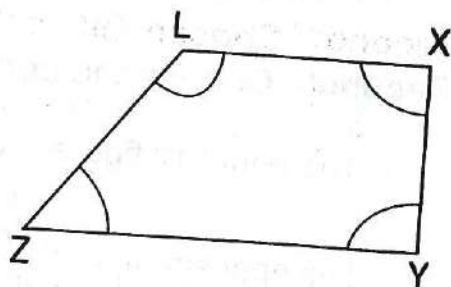
1 Write the type of each angle of the opposite shape:

a Angle ($\angle X$) is a/an angle.

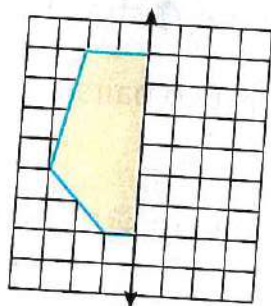
b Angle ($\angle Y$) is a/an angle.

c Angle ($\angle Z$) is a/an angle.

d Angle ($\angle L$) is a/an angle.



2 Draw the missing part to complete the drawn shape, as the straight line is the axis of symmetry:



3 Draw a right triangle:

Assessment 2

Third:

First: Complete the following:

- 1 The ray is a part of a line that has and end point(s).
- 2 The two parallel straight lines meet at $\neq$
- 3 The type of triangle whose side lengths are 5 cm, 4 cm, according to the lengths of its sides is a/an
- 4 The type of triangle whose all angles are acute according to of angles is a/an triangle.
- 5 A quadrilateral that has two pairs of parallel sides is called

Second: Choose the correct answer:

- 1 The opposite figure is called

($\overrightarrow{BA}$ or $\overrightarrow{AB}$ or $\overline{BA}$ or $\overline{AB}$)

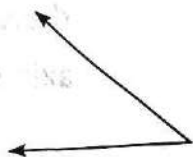


- 2 The triangle whose side lengths are 4 cm, 4 cm, and cm is an equilateral triangle.

(3 or 4 or 8 or 12)

- 3 The opposite figure represents a/an angle.

(acute or right or obtuse or straight)



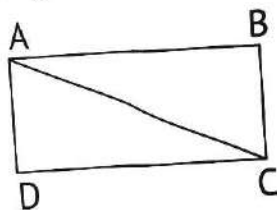
- 4 A polygon that has 4 sides and contains two pairs of parallel sides and all its angles are right angles is a

(rhombus or parallelogram or rectangle or trapezium)

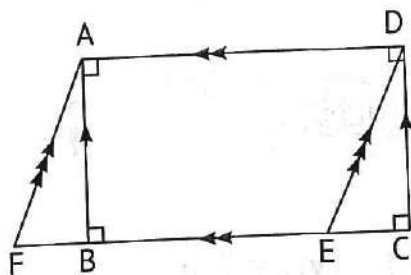
- 5 In the opposite figure:

AB and are parallel.

($\overline{AC}$ or $\overline{AB}$ or $\overline{BC}$ or $\overline{DC}$)



Third: Use the following shape to answer the questions where ABCD is a rectangle:

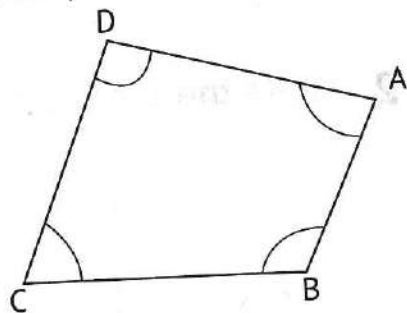


- a $\overline{AB}$ and are parallel.
- b $\overline{DE}$ and are parallel.
- c $\overline{AD}$ and are parallel.
- d $\overline{BA}$ and $\overline{BC}$ are
- e $\overline{BC}$ and $\overline{CD}$ are

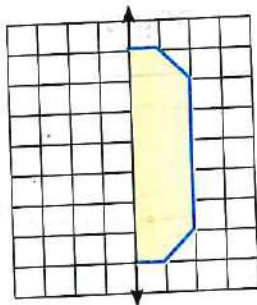
Fourth: Answer the following:

1 Write the type of each angle of the following shape:

- a $\angle A$ is a/an angle.
- b $\angle B$ is a/an angle.
- c $\angle C$ is a/an angle.
- d $\angle D$ is a/an angle.



2 Draw the missing part to complete the drawn shape, as the straight line is the axis of symmetry:



3 Draw an obtuse triangle

Assessment

on Lesson 1

Unit 13

1 Choose the correct answer:

a Five-sixths =

$$\left(\frac{5}{6} \text{ or } \frac{6}{5} \text{ or } \frac{5}{11} \text{ or } \frac{11}{6}\right)$$

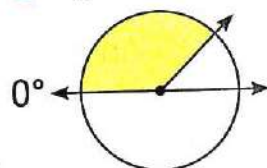
b $4.03 =$

$$\left(4\frac{3}{10} \text{ or } 40\frac{3}{10} \text{ or } 4\frac{3}{100} \text{ or } 40\frac{3}{100}\right)$$

c An angle whose measure is 108° is called a/an angle.

(straight or obtuse or right or acute)

d The corresponding figure represents an angle whose measure is about (315° or 225° or 135° or 45°)



e A is a quadrilateral whose angles are all right.

(rectangle or rhombus or parallelogram or trapezium)

2 Complete the following:

a $3 + \frac{1}{4} + \frac{1}{4} =$

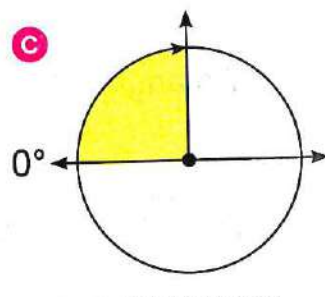
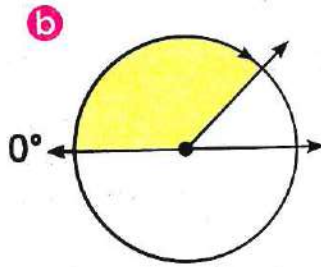
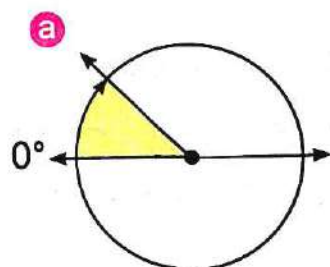
b $20 + 0.05 + 3 =$

c The measure of a straight angle is

d The measure of a right angle is greater than the measure of a angle.

e If a circle is divided into 4 equal parts, then each part represents a/an angle.

3 Write the type of each of the following angles:



Assessment

on Lesson 2

Unit 13

1 Choose the correct answer:

a $\frac{3}{5} \times \frac{2}{3} = \dots\dots\dots$

($\frac{3}{15}$ or $\frac{2}{15}$ or $\frac{5}{8}$ or $\frac{6}{15}$)

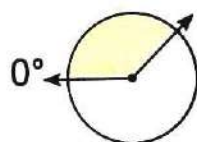
b $3.15 = \dots\dots\dots$

($31 \frac{5}{100}$ or $3 \frac{15}{100}$ or $31 \frac{5}{10}$ or $3 \frac{15}{10}$)

c An angle whose measure is 120° is called a/an $\dots\dots\dots$ angle.

(acute or right or obtuse or straight)

d The measure of the angle representing the shaded part of the opposite circle is $\dots\dots\dots$ (50° or 150° or 120° or 100°)



e The measure of the opposite angle is about $\dots\dots\dots$

(120° or 90° or 30° or 180°)



2 Complete the following:

a $40 + 0.03 + 2 = \dots\dots\dots$

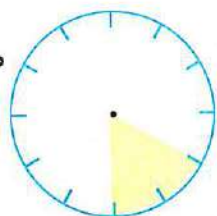
b $5 \times \frac{1}{8} = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

c A $\dots\dots\dots$ is a quadrilateral with only a pair of parallel, unequal sides.

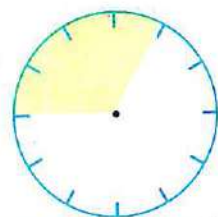
d The lengths 3 cm, 5 cm, and 7 cm are the lengths of the sides of a triangle classified as $\dots\dots\dots$ according to the lengths of its sides.

3 Use the circle model and write what the shaded part represents:

a Angle measure =
(about) $\dots\dots\dots^\circ$



b Angle measure =
(about) $\dots\dots\dots^\circ$



Assessment on Concept

1



Unit 13

First: Choose the correct answer:

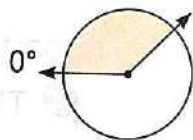
1 If you divide a circle into 4 parts, each part represents a/an angle. (acute or obtuse or right or straight)

2 The measure of a straight angle is (80° or 108° or 360° or 180°)

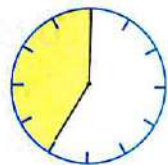
3 The measure of an obtuse angle is less than the measure of a/an angle. (acute or right or straight or zero)

4 The type of angle whose measure is 91° is a/an angle. (acute or obtuse or right or straight)

5 The shaded part in the opposite circle represents an angle measuring about (90° or 135° or 180° or 270°)



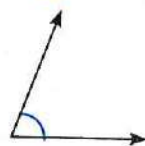
6 The shaded part of the circle represents an angle measuring about (150° or 50° or 210° or 70°)



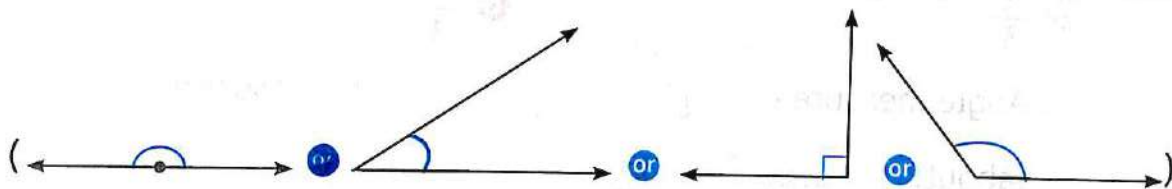
7 Which of the following times is the clock hands' angle of about 90° ? ($2:00$ or $12:30$ or $2:45$ or $3:00$)

8 If the time is 8:10, then the hands of the clock will have an angle measuring about (120° or 180° or 240° or 60°)

9 The opposite angle measures about (180° or 110° or 90° or 70°)

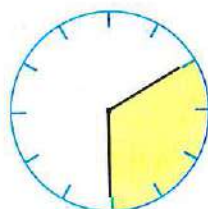
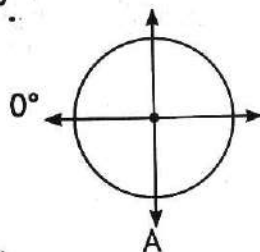


10 The angle whose measure is 120° of the following angles is



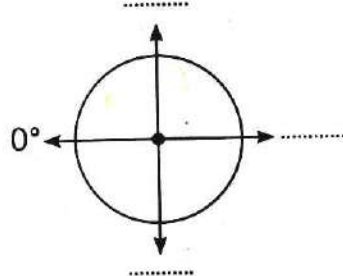
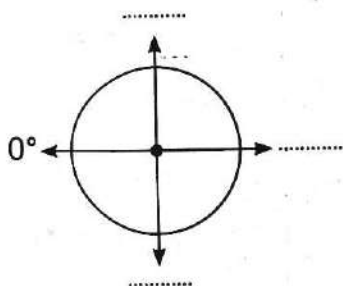
Second: Complete the following:

- 1 The unit of angle measurement is
- 2 If you divide the circle into two halves, then the half of the circle represents an angle whose measure is°.
- 3 If you move clockwise in the opposite figure, the measurement of the angle that is written at point A is
- 4 The type of angle that measured 108° is
- 5 The measure of an acute angle is greater than° and less than°.
- 6 The circle model is divided into 12 parts, each part representing an angle measuring
- 7 In the opposite figure, the shaded part is represented as follows:
 - a The fraction
 - b Angle measure is about:



Third: Answer the following:

- 1 Move counterclockwise, and write down the angle measures in the marked places.
- 2 Move clockwise, and write down the angle measures in the marked places.



- 3 Color the following circle models to represent the fraction shown. Write the angle of the shaded part:

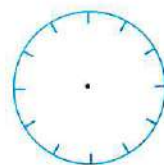
a $\frac{1}{3}$

• Angle measure =
(about)



b $\frac{3}{4}$

• Angle measure =
(about)



Assessment

on Lessons 3&4

Unit 13

1 Choose the correct answer:

a $\frac{3}{4}$ $\frac{3}{8}$

($>$ or $=$ or $<$ or $\leq$)

b $2\frac{13}{100} = \dots\dots\dots$

(2.13 or 21.3 or 20.13 or 21.03)

c An angle of 45° is a/an angle. (acute or right or obtuse or straight)

d An angle whose measure is is an acute angle.

(130° or 170° or 30° or 90°)

2 Complete the following:

a The place value of the digit 4 in 2.45 is

b $\frac{15}{7} = \dots\dots\dots$ (As a mixed number) c $\frac{3}{4} = \frac{\dots\dots}{8} = \frac{12}{\dots\dots}$

d The vertex of an angle ABC is the point

e Seventy-five and three-hundredths = (In decimal form)

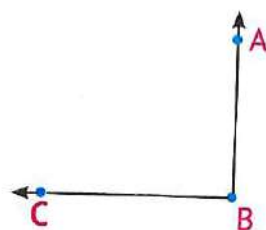
3 Answer the following:

a Use the protractor to measure the opposite angle, then complete:

1 Angle names:

2 Angle measure:

3 Angle type:



b Fares had $4\frac{15}{100}$ pounds, and his mother gave him $3\frac{5}{10}$ pounds.

What amount does he have now?

.....

Model (1)

First Question 1 Choose the correct answer:

(1) The is used to represent data by individual bars.

- (a) double bar (b) line plot (c) pictograph (d) bar graph

(2) What is the name of the opposite figure?

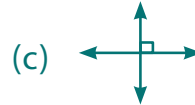


- (a) ray (b) straight line (c) line segment (d) point

(3) The number of lines of symmetry of a square is

- (a) 0 (b) 2 (c) 3 (d) 4

(4) Which of the following lines are intersecting and are not perpendicular?



(5) A/an triangle has 3 equal sides.

- (a) scalene (b) isosceles (c) right (d) equilateral

(6) Which figure shows a right angle?



(7) How many right angles does a rhombus have?

- (a) 0 (b) 2 (c) 3 (d) 4

(8) When dividing a circle into 12 equal parts, the measure of each part equals.....



- (a) 30 (b) 90 (c) 120 (d) 180

(9) The type of triangle according to its angles is



- (a) acute (b) obtuse (c) right (d) equilateral

Second Question 2 Answer the following:

(1) In the following figure, color two parallel paths.



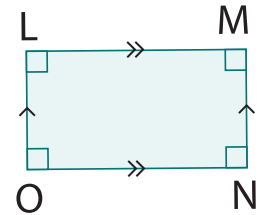
(2) Use the following figure to answer:

(a) Identify two perpendicular line segments

.....

(b) Identify two parallel line segments

.....



(3) What is the name of the polygon with 6 sides?

 The name is a

(4) Determine the type of a triangle that contains side length 9 cm, 5 cm and 6 cm according to its sides?

The type of the a triangle is

(5) What is the number of right angles in the opposite figure?

There are right angles.

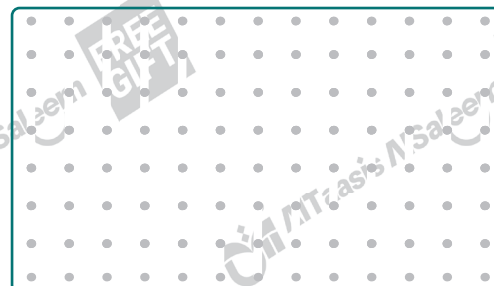


(6) Write true or false:

(a) A triangle can have 2 right angles. (.....)

(b) Every triangle has at least 2 acute angles. (.....)

(7) Use your ruler to draw an acute angle.



Model (2)



First Question 1 Choose the correct answer:

(1) The vertical and horizontal lines in the graph are called



- (a) titles (b) axes (c) keys (d) columns

(2) What is the name of the opposite figure?



- (a) Ray (b) straight line (c) line segment (d) point

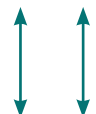
(3) The number of lines of symmetry of a rectangle is



- (a) 0 (b) 2 (c) 3 (d) 4

(4) Which of the following lines are perpendicular?



- (a)  (b)  (c)  (d) 

(5) The type of the opposite angle is a/an angle.



- (a) obtuse (b) acute (c) straight (d) right

(6) Any triangle has at least acute angles.

- (a) 3 (b) 1 (c) 2 (d) 4

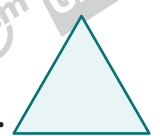
(7) The number of pairs of parallel sides in trapezium is

- (a) 1 (b) 2 (c) 3 (d) 4

(8) There are degrees in a circle.

- (a) 360° (b) 180° (c) 25° (d) 90°

(9) The type of triangle according to its angles is triangle.



- (a) an acute (b) an obtuse (c) a right (d) an equilateral



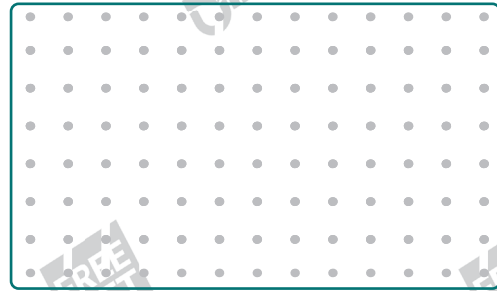
Second Question 2 Answer the following:

- (1) State the relationship between the two lines of the opposite figure.

Answer:



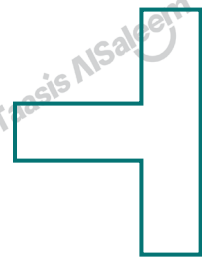
- (2) Draw an obtuse triangle.



- (3) State the number of lines of symmetry for the opposite figure.



Answer:



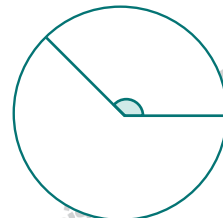
- (4) What is the name of the polygon with 5 sides?

Name is:

- (5) What type of angle is shown in the circle?



.....



- (6) Identify the angles whose measures are 20° , 95° , 90° .

Answer:

20°



.....

95°



.....

90°



.....

- (7) Classify the opposite triangle according to its sides and its angles.

Answer:

According to its sides

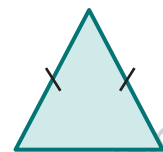


.....

According to its angles



.....

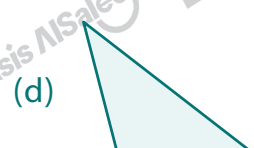
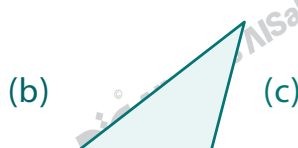
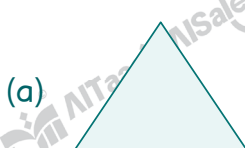


Model (3)



First Question 1 Choose the correct answer:

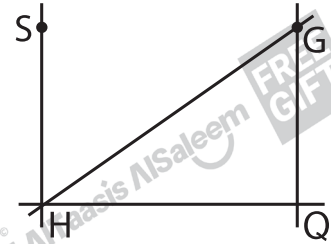
- (1) What is the name of the opposite figure? 
- (a) straight line (b) ray (c) line segment (d) point
- (2) The number of lines of symmetry of a parallelogram is
- (a) 0 (b) 2 (c) 3 (d) 4
- (3) A data representation that is suitable to compare maximum and minimum temperatures in a city during several days is called
- (a) Line plot (b) Bar graph (c) Double bar graph (d) Pictograph
- (4) Which of the following figures shows two parallel lines?
- (a)  (b)  (c)  (d) 
- (5) The type of the opposite angle is a/an angle. 
- (a) obtuse (b) acute (c) straight (d) right
- (6) The isosceles triangle has equal sides.
- (a) 0 (b) 1 (c) 2 (d) 3
- (7) The number of pairs of parallel sides in a rhombus is
- (a) 1 (b) 2 (c) 3 (d) 4
- (8) The measure of the angle representing the fraction $\frac{10}{12}$ is
- (a) 90° (b) 100° (c) 200° (d) 300°
- (9) Which triangle is a right-angled triangle?



Second Question 2 Answer the following:

(1) Observe the following figure, then answer:

- (a) Identify the line segment that is parallel to the line segment SH

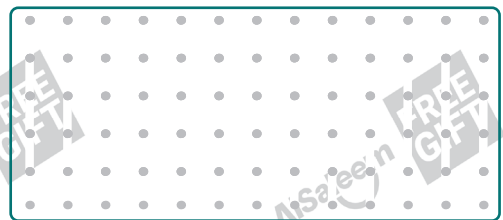


Answer:

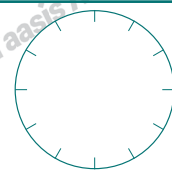
- (b) Identify three line segments that intersect with line segment HG.

Answer:

(2) Draw a triangle whose angles are all acute.



(3) Use the opposite model to represent the angle with a measure of 120° .



(4) Match each shape to its appropriate form:

$\overline{AB}$

Ray AB

A

B

$\overleftrightarrow{AB}$

Line segment AB

B

A

$\overrightarrow{AB}$

Ray BA

A

B

$\overrightarrow{BA}$

Straight line AB

B

A

(5) What is the number of lines of symmetry of the rhombus?

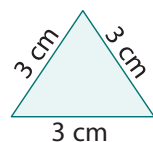
(6) Compare the angle of the opposite figure with the right angle.



(7) Observe the following triangle ,then complete:

- (a) The type of triangle according to its sides and its angles is

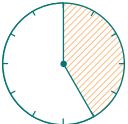
- (b) The perimeter of the triangle = cm.



Model (4)



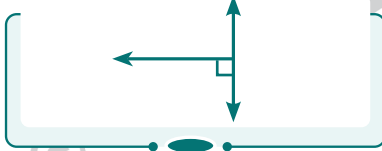
First Question 1 Choose the correct answer:

- (1) What is the mathematical symbol for the opposite figure? 
- (a) $\overline{SP}$ (b) $\overrightarrow{PS}$ (c) $\overleftrightarrow{SP}$ (d) $\overline{SP}$
- (2) What is the number of lines of symmetry of an isosceles trapezium?
- (a) 0 (b) 1 (c) 2 (d) 3
- (3) A data representation that shows the frequency of data on a number line is called
- (a) line plot (b) bar graph (c) double bar graph (d) pictograph
- (4) The opposite lines are
- (a) perpendicular (b) parallel (c) obtuse (d) intersecting 
- (5) The type of angle that is smaller than a right angle is called
- (a) acute (b) obtuse (c) straight (d) right
- (6) The scalene triangle has equal sides.
- (a) 0 (b) 1 (c) 2 (d) 3
- (7) The fraction that represents the shaded part in the opposite figure is.....
- (a) $\frac{6}{12}$ (b) $\frac{5}{12}$ (c) $\frac{10}{12}$ (d) $\frac{3}{12}$ 
- (8) A is a quadrilateral with 4 congruent sides and 4 right angles.
- (a) trapezium (b) rectangle (c) square (d) parallelogram
- (9) The type of the triangle according to its angles is
- (a) acute (b) right (c) obtuse (d) equilateral 



Second Question 2 Answer the following:

- (1) Match each figure with the correct description:



perpendicular

parallel

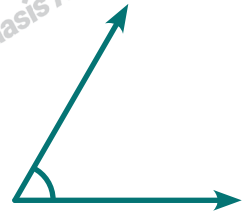
intersecting

- (2) How many acute angles are there in an acute angled triangle?

There are acute angles.

- (3) Use the protractor to measure the following angle.

Answer:



- (4) State the number of lines of symmetry for an equilateral triangle.

Answer:

- (5) Write the name of the shape and its mathematical symbol.



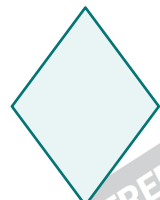
Name:

Mathematical symbol:

- (6) What is the name of the opposite shape?



The name of the shape is a



- (7) In each of the following identify the type of each angle:



(a) An angle measuring 180°

.....

(b) An angle measuring 35°

.....

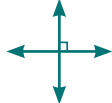
(c) An angle measuring 120°

.....

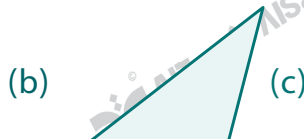
Model (5)



First Question 1 Choose the correct answer:

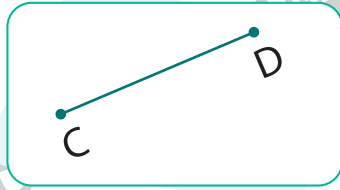
- (1) The number of lines of symmetry of an equilateral triangle is
 (a) 0 (b) 1 (c) 2 (d) 3
- (2) A data representation that shows two sets of data on the same graph is called
 (a) Line plot graph (b) Bar graph (c) Double bar graph (d) pictograph
- (3) Which of the following is a line segment?
 (a)  (b)  (c)  (d) 
- (4) The opposite two lines are

 (a) perpendicular (b) parallel (c) not intersecting (d) acute
- (5) The type of the opposite angle is a/an angle.

 (a) obtuse (b) acute (c) straight (d) right
- (6) A square window with a side length of 5 cm. The area = cm².
 (a) 25 (b) 10 (c) 20 (d) 13
- (7) The number of pairs of parallel sides in a square is
 (a) 1 (b) 2 (c) 3 (d) 4
- (8) The type of angle that represents $\frac{1}{6}$ of the circle model is
 (a) acute (b) obtuse (c) right (d) straight
- (9) Which triangle is an obtuse triangle?

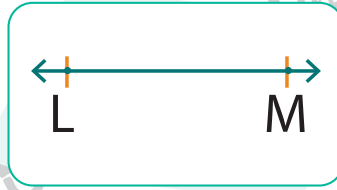


Second Question 2 Answer the following:

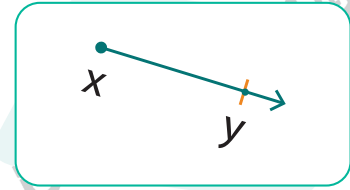
- (1) Write the name of each following shape:



.....



.....



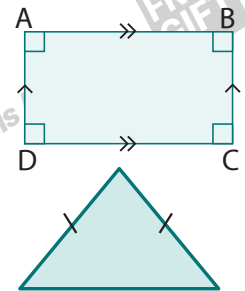
.....

- (2) Observe the opposite rectangle ,then complete the following statements:

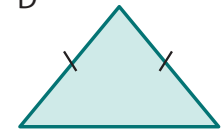


(a) Line segment AB is parallel to the line segment

(b) Line segment AD is perpendicular to both
line segment and line segment



- (3) How many lines of symmetry does
an isosceles triangle have?



- (4) Compare the acute angle and the right angle.

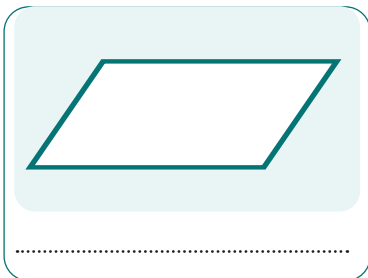
Answer:

- (5) Identify the fraction represented by the shaded part on the circle
model and determine the measure of the angle that represents.

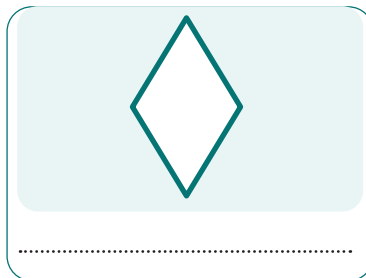
Answer:



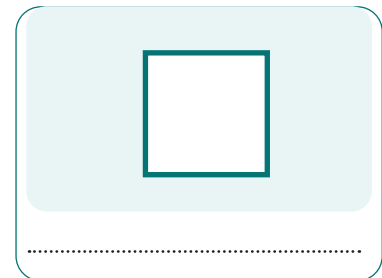
- (6) Write the name of the following shapes:



.....



.....



.....

- (7) What is a parallelogram with one right angle?

It is

Model (1)

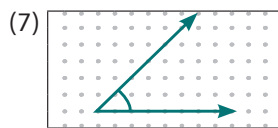
- 1 (1) d (2) a (3) d
(4) b (5) d (6) b
(7) a (8) a (9) b



- (2) (a) $\overline{LM}$ and $\overline{MN}$.
(b) $\overline{MN}$ and $\overline{LO}$.

(Answer may vary)

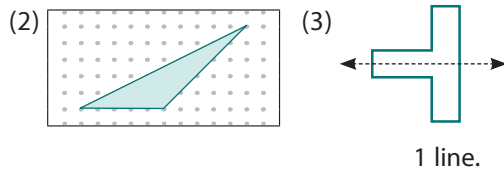
- (3) Hexagon. (4) scalene triangle.
(5) 2 (6) (a) False. (b) True.



Model (2)

- 1 (1) b (2) c (3) b
(4) d (5) b (6) c
(7) a (8) a (9) a

- 2 (1) intersecting and not perpendicular.



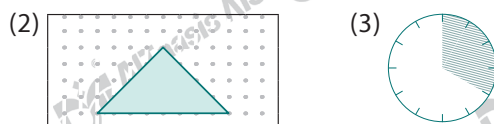
1 line.

- (4) pentagon.
(5) Obtuse angle.
(6) 20° → acute angle.
 95° → obtuse angle.
 90° → right angle.
(7) → Isosceles triangle.
→ acute-angled triangle.

Model (3)

- 1 (1) a (2) a (3) c
(4) b (5) d (6) c
(7) b (8) d (9) c

- 2 (1) (a) line segment GQ
(b) $\overline{HQ}$, $\overline{SH}$, $\overline{GQ}$



- (4) Match by yourself.
(5) 2 lines of symmetry.
(6) Less than a right angle.
(7) (a) equilateral acute-angled triangle.
(b) $3 + 3 + 3 = 9$

Model (4)

- 1 (1) d (2) b (3) a
(4) b (5) a (6) a
(7) b (8) c (9) b

- 2 (1) Match by yourself. (2) 3
(3) Angle measuring 60°
(4) 3 lines of symmetry.
(5) Name: line segment.

Mathematical symbol: $\overline{MN}$

- (6) rhombus
(7) (a) straight angle.
(b) acute angle.
(c) obtuse angle.

Model (5)

- 1 (1) d (2) c (3) b
(4) a (5) a (6) a
(7) b (8) a (9) b

- 2 (1) line segment CD, straight line LM, Ray XY.
(2) (a) $\overline{DC}$
(b) $\overline{DC}$, $\overline{AB}$.
(3) 1 line.
(4) The acute angle is smaller than the right angle.
(5) $\frac{1}{6}$, 60°
(6) parallelogram, rhombus, square.
(7) a rectangle.

Lesson (9) Comparing Fractions and Decimals

Week
(7)

Date: / /

Class performance:

Activity (1): Joudy and Mirna

Joudy and Mirna wanted to compare between the two numbers: $(2\frac{4}{100})$ and (4 ones and 2 tenths).

Joudy said that: $(2\frac{4}{100}) < (4 \text{ ones and } 2 \text{ tenths})$

Mirna said that: $(2\frac{4}{100}) < (4 \text{ ones and } 2 \text{ tenths})$

Work with your classmate to show which is correct? and why?

Activity(2): Compare smartly

Work with your classmate to put each of the following cards in the suitable place to get a correct statement:

5.9

0.09

0.21

(a) $\frac{6}{10} > \dots\dots\dots$

(b) $\dots\dots\dots < 2 \text{ tenths and } 3 \text{ hundredths}$

(c) $5 \text{ ones and } 8 \text{ tenths} < \dots\dots\dots$

Home Work:

Answer the following:

1) Compare using $>$, $<$ or $=$:

a) $0.52 \dots\dots\dots \frac{5}{10}$

b) $9 \text{ tenths} \dots\dots\dots 0.9$

2) Represent the following fractions on the number line, then compare between them:

0.8 and $\frac{2}{10}$



3) Complete using a correct fraction: $0.39 < \dots\dots\dots$

4) Mona drank $\frac{5}{10}$ liters of a juice . Asmaa drank 0.73 liters from the same juice .

Who drank more juice?

5) Omar drank 0.35 liters of milk . His sister Sara drank $\frac{4}{10}$ liters of milk .

Who drank less quantity of milk?

Lesson (10) Adding Fractions with denominators 10 and 100 Using Models

Lesson (11) Adding Two Fractions With Denominators 10 and 100 By Converting into Equivalent Fractions

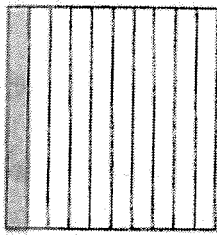
Week
(8)

Date: / /

Class performance:

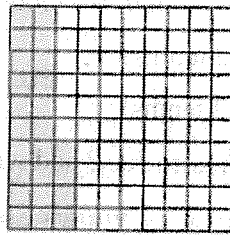
Activity (1): Addition accuracy

Work with your groupmates to write the fraction represented by the shaded part in each of the following models. Find the sum and color it.



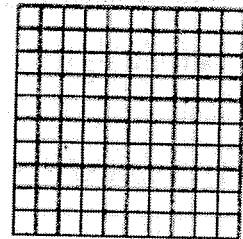
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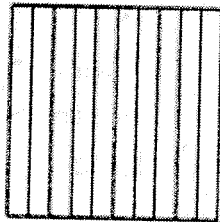


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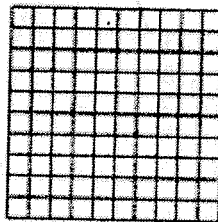
Activity (1): 10×10

Collaborate with your groupmates use the following models to find :

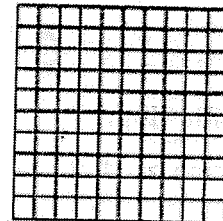
$$\frac{2}{10} + \frac{70}{100} = \dots\dots\dots$$



.....



.....



.....

Home Work:

Answer the following:

1) Add using the models:

(a) $\frac{3}{10} + \frac{50}{100}$

Find the result of:

2) $\frac{8}{10} + \frac{20}{100}$

3) $1\frac{2}{10} + 1\frac{45}{100}$

(b) $\frac{5}{10} + 1\frac{24}{100}$

- 4) Jihan ate $\frac{2}{10}$ of the pie in the morning. Then she ate $\frac{60}{100}$ from the same pie in the evening. What fraction represents the sum that Jihan ate from the pie? Show your answer using the models.
- 5) Hazem read $\frac{6}{10}$ from the book on Sunday, then he read $\frac{34}{100}$ from the same book on Sunday. What fraction represents what Hazem read?

11

Unit: 11

Lesson (1) Different Graphs

Lesson (2) Plotting Along

Week
(8)

Date: / /

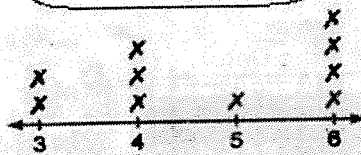
Class performance:

Activity (1): Plots or Bars

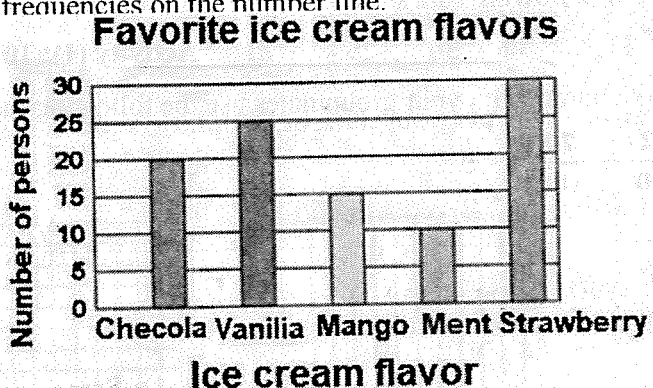
Work with your groupmate to determine the suitable graph for each of the following:

- We use this type of graphs to compare things between different groups or to track changes that occur over large periods of time.
- We use this type of graphs to demonstrate frequencies on the number line.

Read Books



key: x = 1 student



Activity (2): leisure

Collaborate with your groupmate observe the given data in the following table. Decide if we can represent it using the double bars. Record the answer, say the reasons and answer the following questions:

Activity	Boys	Girls
Football	11	9
Leisure with friends	5	11
Skipping	1	4

- What is the activity that most boys and girls do not prefer?

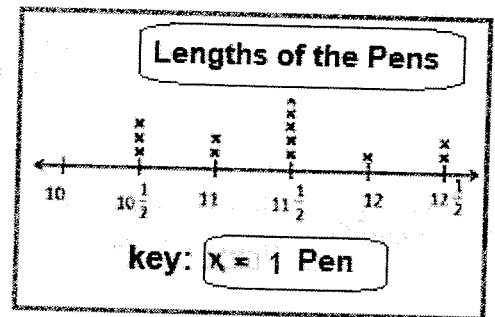
- What is the difference between the number of girls who prefer football and the number of girls who prefer spending leisure with friends?

- What is the total number of boys who recorded their answers?

Home Work:

Answer the following:

- 1) What is the appropriate graph representation to compare between the maximum and the minimum temperature in a city during many months?
- 2) Mention the name of the horizontal and the vertical lines on the graph.
- 3) The opposite line plot graph shows lengths of some students' pens in centimeters. Notice the graph then answer the following:
 - a) What is the most frequently repeated length?
 - b) What is the length at which the number of pens is equal?
 - c) What is the shortest length? How many pens are there for this length?
- 4) The following data show masses in kg for a group of students:
 $31\frac{1}{2}$, 30 , 30 , $29\frac{1}{2}$, $31\frac{1}{2}$, $31\frac{1}{2}$, 29 , $30\frac{1}{2}$, 29 , 30



Represent the previous data in line plot graph.

Lesson (3) Breaking the Bar

Week
(8)

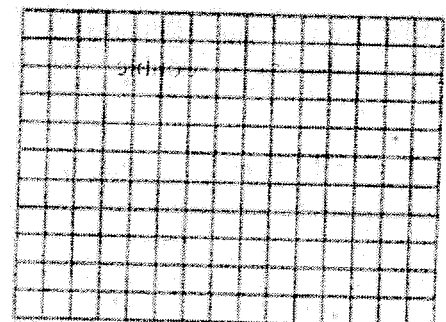
Date: / /

Class performance:

Activity (1): Sameh and Saving

Work with your groupmates to represent the data that show what Sameh and Alaa save in 3 months. Use the double bar graph.

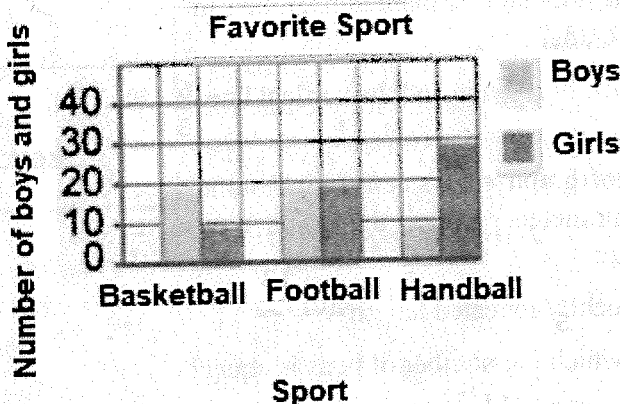
Name \ Month	Sameh	Alaa
First	10	30
Second	30	40
Third	50	50



Activity (2): The School Activities

Through the following graph collaborate with your groupmates to determine the following:

- The sport in which the number of boys and girls is equal.
- The difference between the number of boys and girls in handball



Home Work:

Answer the following:

The following table shows the number of study hours for some students

Name	Ahmed	Ehab	Samir	Moomen
No. of hours	$\frac{2}{3}$	2	$1\frac{1}{3}$	$1\frac{2}{3}$

- 1) Represent the given data by bar graphs. From the graph:
- 2) Write the appropriate title for the graph.
- 3) Mention the name of the student who spent most hours to study.

The following table shows number of study hours for Ahmed and Ammar in 5 days:

Day	Sun.	Mon.	Tues.	Wed.	Thurs.
Name	Ahmed	4	$\frac{1}{2}$	5	$2\frac{1}{2}$
Ammar	4	$5\frac{1}{2}$	2	$3\frac{1}{2}$	$1\frac{1}{2}$

- 4) Represent the previous data by the double bar graph.
- 5) Mention the two days in which the number of hours Ammar studied was less than the number of hours Ahmed studied.

12

Unit: 12

Lesson (1) Points, Lines, Line Segments, and Rays

Week (9)

Date: / /

Class performance:

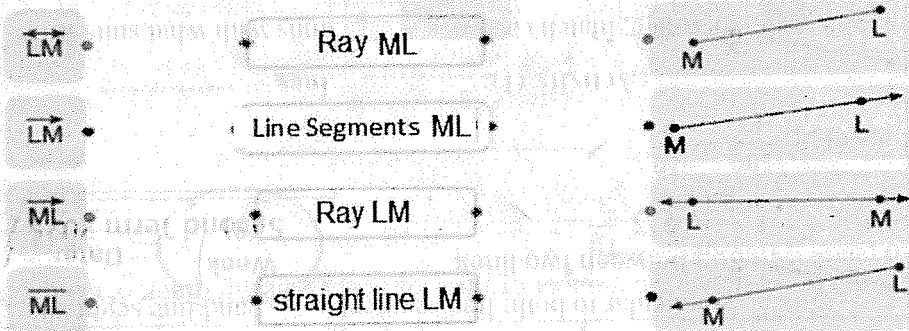
Activity (1): Segment and Arrow

Cooperate with your classmate, write the name of each of the following shapes:



Activity (2): Right and left

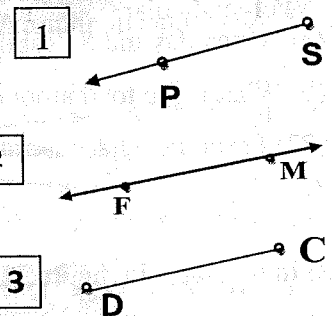
Cooperate with your groupmates, match each shape to its appropriate form:



Home Work:

Answer the following questions:

- (1) Write the name of the shape and the mathematical symbol for the opposite shape.
- (2) Write the name of the shape and the mathematical symbol for the opposite shape.
- (3) Write the name of the shape and the mathematical symbol for the opposite shape.
- (4) What is the name of the polygon that consists of 5 sides?
- (5) Draw a straight line, a ray, and a line segment.



Lesson (2) The Relation between two lines

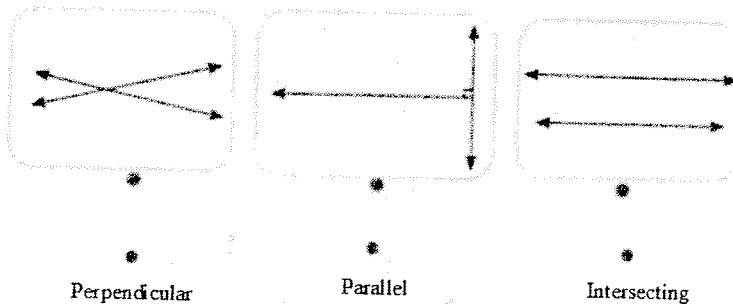
Week
(9)

Date: / /

Class performance:

Activity (1): A Pair of Lines

In cooperation with your classmate, match each pair of columns with what suits it

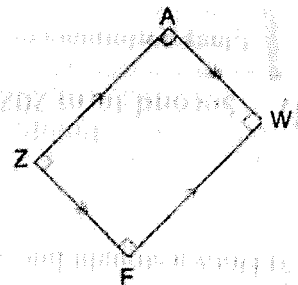


Activity (2): AZFW

In cooperation with your group mates, use the corresponding figure in

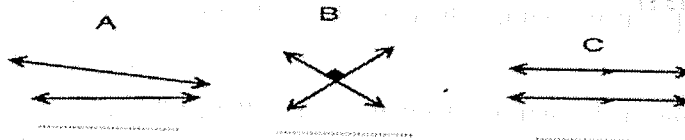
A) Identify two perpendicular line segments.

B) Identify two parallel line segments.



Home Work:

(1) Determine the relationship between each pair of lines (Intersecting and not perpendicular, Perpendicular, or Parallel).



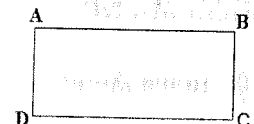
(2) In the opposite figure: ABCD is a rectangle. Complete the following statements:

(a) Line segment AB is parallel to line segment

(b) Line segment AD is parallel to line segment

(c) Line segment AC intersects with line segment

(d) Line segment AB is perpendicular to both: line segment and line segment



Lesson (3) Symmetry

Week
(9)

Date: / /

Class performance:

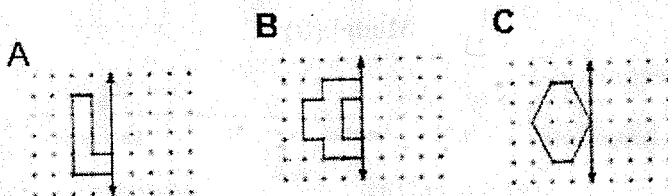
Activity (1): Letters of Symmetry

In cooperation with your classmate, draw the line of symmetry for the following letters:

W Z B V

Activity (2): Letters of Symmetry

Cooperate with your groupmates, complete the drawing of the following shapes, where Mohamed drew half of the shape and its line of symmetry.



Home Work:

Answer the following questions:

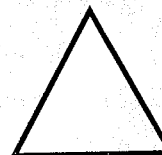
1) What is the number of lines of symmetry for a rectangle?



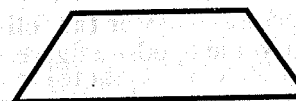
2) What is the number of lines of symmetry for a square?



3) What is the number of lines of symmetry for an equilateral triangle?



4) What is the number of lines of symmetry for an isosceles trapezium?



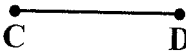
5) What is the number of lines of symmetry for a parallelogram?



Weekly Assessment – Week (9)

Model (A)

First: Choose the correct answer:

- (1) What is the name of the opposite figure?  (a) Ray (b) straight line (c) line segment (d) Point

- (2) The number of lines of symmetry for a square
 (a) 0 (b) 2 (c) 3 (d) 4

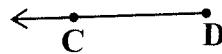
Second: Answer the following:

- 1) State the relationship between the two straight lines of the opposite figure.
 2) What is the name of the polygon with 5 sides?
 3) State the number of lines of symmetry for an equilateral triangle.



Model (B)

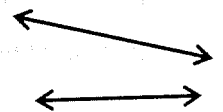
First: Choose the correct answer:

- (1) What is the name of the opposite figure?  (a) Ray (b) straight line (c) line segment (d) Point

- (2) The number of lines of symmetry for a rectangle.....
 (a) 0 (b) 2 (c) 3 (d) 4

Second: Answer the following:

- (1) State the relationship between the two straight lines of the opposite figure.
 (2) What is the name of the polygon with 6 sides?
 (3) State the number of lines of symmetry for an isosceles trapezium.



Model (C)

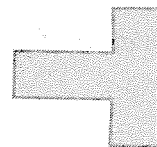
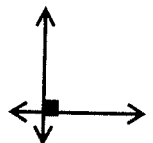
First: Choose the correct answer:

- (1) What is the name of the opposite figure?  (a) Ray (b) straight line (c) line segment (d) Point

- (2) The number of lines of symmetry for a parallelogram.....
 (a) 0 (b) 2 (c) 3 (d) 4

Second: Answer the following:

- (1) State the relationship between the two straight lines of the opposite figure.
 (2) What is the name of the polygon with 4 sides?
 (3) State the number of lines of symmetry for the opposite figure.



Lesson (4-5) Real-World Geometry)- Classifying Angles)

Week
(10)

Date: / /

Class performance:

Activity (1): The Garden and the Yellow Color

Color two parallel paths yellow and two intersecting paths blue in the opposite figure



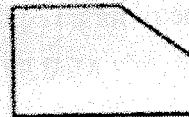
Activity (2): Angles and colors

(a) In figure (d) Color the acute angles green.



(d)

(b) In figure (h) Color the right angles blue.

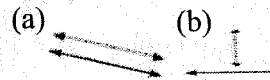


(h)

Home Work:

Answer the following questions:

(1) What do the two straight lines in the opposite figure represent?

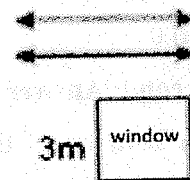


(a)

(b)

(2) Which two straight lines form 4 right angles?

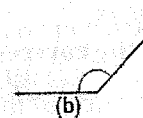
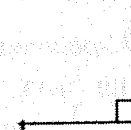
(3) Find the perimeter of the window in the opposite figure



(4) Write the type of angle in the following figure.

(5) (a) Compare the angle in Figure (a) with the right angle.

(b) Compare the angle in Figure (b) with the right angle.



(b)



(a)

Lesson (6) Drawing Angles

Week
(10)

Date: / /

Class performance:

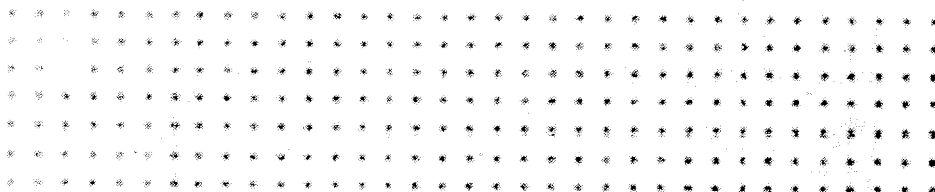
Activity (1): Points and Angles

In cooperation with your group mates, use a ruler to connect the dots in the following drawing:

(a) An acute angle

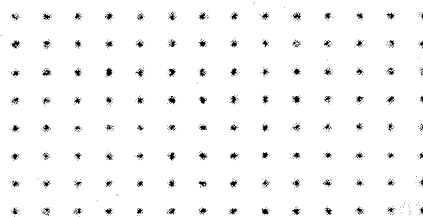
(b) An obtuse angle

(c) A right angle



Activity 2: Design Geometry

In cooperation with your group mates, use a ruler to connect the dots in Draw a geometric design that includes a right angle, an obtuse angle, and a third acute angle.



Home Work:

Answer the following questions:

- (1) Draw a quadrilateral that contains at most two right angles.
- (2) Draw a triangle that contains one obtuse angle and two acute angles.
- (3) Draw a quadrilateral that contains at least two right angles.
- (4) Draw an acute angle and an obtuse angle sharing a starting point.
- (5) Draw an acute angle and a right angle sharing a starting point.

Lesson (7) Classifying Triangles

Week
(10)

Date: / /

Class performance:

Activity (1): 3 Angles and 3 Colors

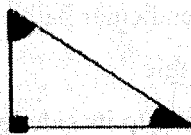
Cooperate with your classmate, match each triangle with what suits it:

Obtuse Triangle



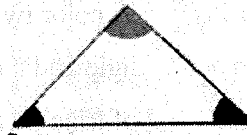
It has three acute angles.

Right Triangle



It has an obtuse angle and two acute angles.

Acute Triangle



It has a right angle and two acute angles.

Activity 2: Playing with Triangles

Cooperate with your groupmates, put the following set of triangles in their appropriate location according to the following classification.



Isosceles



Scalene



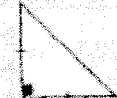
Scalene



Isosceles



Scalene



Isosceles

Obtuse Angel

Right angle

Acute Angel

Home Work:

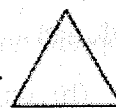
(1) In Figure (a), classify the triangle according to its angles types.

(2) In Figure (b), classify the triangle according to its sides lengths.

(3) How many acute angles are in a right angled triangle?

(4) How many acute angles are in an acute angled triangle?

(5) Classify the opposite triangle according to its sides lengths.



(b)



(a)



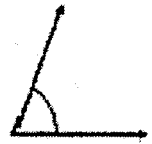
Model (A)

First: Choose the correct answer:(1) A square window with a side length of 5 cm. The area of the window =cm²

- (a) 20 (b) 25 (c) 10 (d) 14

(2) The type of the opposite angle is a/an ____ angle

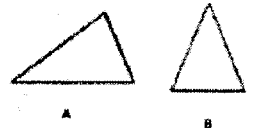
- (a) Obtuse (b) Acute (c) straight (d) Right

**Second: Answer the following:**

(1) In the opposite figure, color two perpendicular paths.

(2) Compare an acute angle and a right angle.

(3) Determine the type of triangle according to its side lengths:



Model (B)

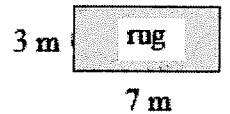
First: Choose the correct answer:

(1) The perimeter of the rug in the opposite figure equals meters.

- (a) 20 (b) 18 (c) 21 (d) 14

(2) The type of the opposite angle is a/an ____ angle.

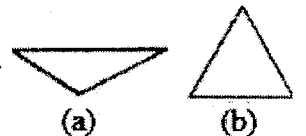
- (a) Obtuse (b) Acute (c) straight (d) Right

**Second: Answer the following:**

(1) In the garden, color two parallel paths.

(2) Compare an obtuse angle and an acute angle.

(3) Determine the type of each triangle according to their angle measures.



Model (C)

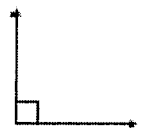
First: Choose the correct answer:

(1) The area of the opposite square is equal to square meters.

- (a) 12 (b) 6 (c) 8 (d) 9

(2) The type of the opposite angle is a/an angle.

- (a) Obtuse (b) Acute (c) straight (d) Right

**Second: Answer the following:**

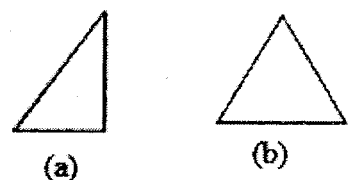
(1) In the opposite figure, color two intersecting and non-perpendicular paths.

(2) Compare an obtuse angle and a right angle.

(3) In following, identify the type of Triangle

(a) According to its side lengths and Triangle

(b) According to its angle measures.



Lesson (8, 9) (Drawing Triangles)-(Classifying Quadrilaterals)

Week
(11)

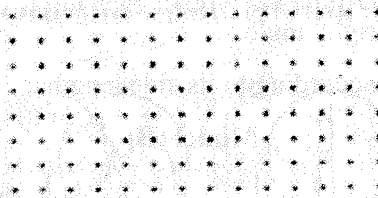
Date: / /

Class performance:

Activity (1): points and triangles

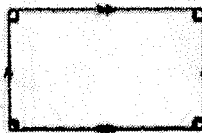
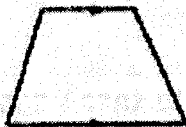
In collaboration with your group mates, use a ruler to connect the dots to draw a triangle in the following cases:

- (a) An isosceles right triangle (b) An isosceles obtuse triangle (c) A scalene triangle



Activity (2): 4 sides and 4 angles

In cooperation with your classmate, explore the properties of each of the following quadrilaterals.



Home Work:

Answer the following questions:

- 1) Draw an equilateral triangle.
- 2) Draw an isosceles triangle.
- 3) A parallelogram with one right angle, what is it?
- 4) A quadrilateral with 4 congruent sides, what is it?
- 5) What is the number of right angles in a rhombus?

Lesson (1) The Circle and The Degrees

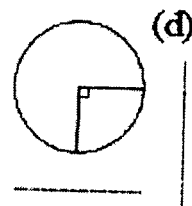
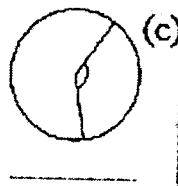
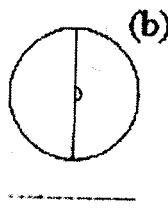
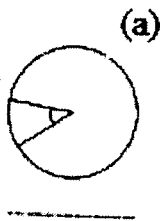
Week
(11)

Date: / /

Class performance:

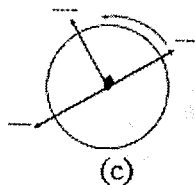
Activity (1): City of Circles

Cooperate with your classmate, determine the type of each angle drawn inside each circle:



Activity (2): Angles Directions

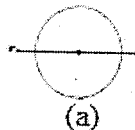
In collaboration with your group mates, determine on circle (c) the angles whose measure are 180° , 90° , 0° according to the direction.



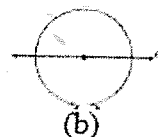
Home Work:

- 1) Write the type of the angle that represents $\frac{1}{4}$ of the circle's measure?
- 2) Write the type of the angle that represents $\frac{1}{2}$ of the circle's measure?

- 3) On circle (a), draw an acute angle.



- 4) On circle (b), draw an obtuse angle.



- 5) What is the type of angle drawn inside the opposite circle?



Lesson (2) Measuring Angles Using a Circle Model

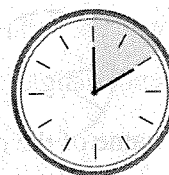
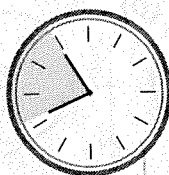
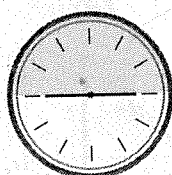
Week
(11)

Date: / /

Class performance:

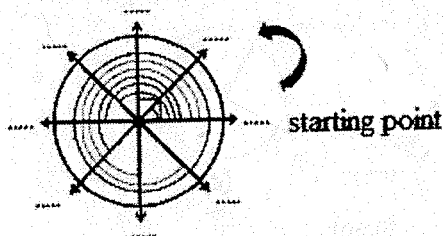
Activity (1): City of Circles

In collaboration with your group mates, write the fraction and the angle measure that represents the shaded part in each following circle.



Activity (2): house fence

Rana try to wake around the fence that in a shape of a circle start from the starting point on the direction of the arrow she stopped at a certain point as in the figure. In collaboration with your group to identify the measure of each angle Rana stopped at every time and determine the fraction



Home Work:

Answer the following questions:

- 1) Write the fraction that represents the shaded part in Model (a).
- 2) Find the measure of the angle that represents the fraction $\frac{10}{12}$ and represent it by shading on Model (b).
- 3) Use Model (c) to represent the angle with a measure of 90°
- 4) Determine the type of angle that represents $\frac{1}{6}$ of the circle model.
- 5) Use the opposite model to represent the angle with a measure of 120°

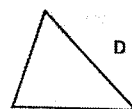
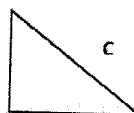
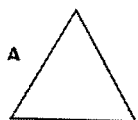


Weekly Assessment – Week 11

Model (A)

First: choose the correct answer:

1) Which triangle is an obtuse angled triangle?.....



2) Number of pairs of parallel sides in trapezium =

a) 1

b) 2

c) 3

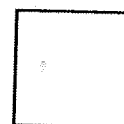
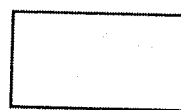
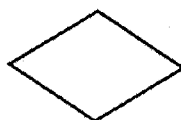
d) 4

second: answer the following:

3) Draw scalene triangle.

4) Write the name of the opposite shapes.

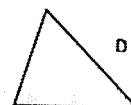
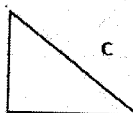
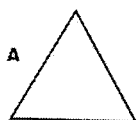
5) Identify the angles whose measure are

 20° 120° 95° 

Model (B)

First: choose the correct answer:

1) Which triangle is an equilateral triangle?.....



2) Number of pairs of parallel sides in square =

a) 1

b) 2

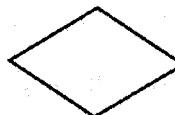
c) 3

d) 4

second: answer the following:

3) Draw acute angled triangle.

4) Write the name of the following shapes.



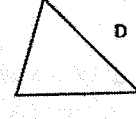
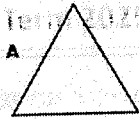
5) Identify the angles whose measure are

 65° 90° 165°

Model (C)

First: choose the correct answer:

1) Which triangle is a right angled triangle?.....



2) Number of pairs of parallel sides in rhombus =

a) 1

b) 2

c) 3

d) 4

second: answer the following:

3) Draw obtuse angled triangle.

4) Write the name of the following shapes.



5) Identify the angles whose measure are 35° 120° 180°

13

Unit: 13

Lesson (3) Using Protractors

Week
(12)

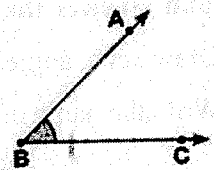
Date: / /

Class performance:

Activity 1: Angles and Vertices

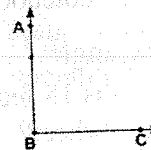
Work with your classmate Identify the vertex, sides and the type of angle.

Then, use straws to create new angles of different sizes.



Activity 2: Play with Angles

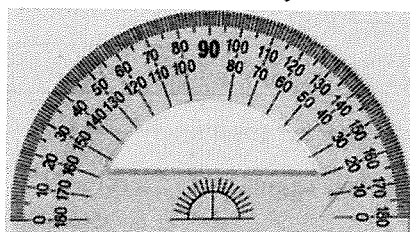
Work with your groupmates. Identify the vertex, sides, and type of each of the following angles.



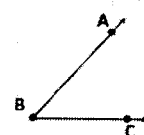
Home Work:

Answer the following :

1) Identify the measure and the type of the largest angle can be measured by this protractor.



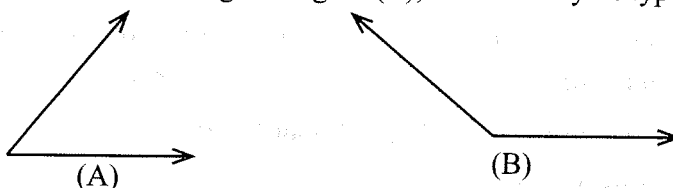
2) Identify the sides forming the opposite angle and its vertex, then write the name of the angle in three different ways.



3) What is the name of the angle whose sides are $\overrightarrow{YX}$ & $\overrightarrow{YZ}$?

4) Use the protractor to measure the angle in figure (A), then identify its type.

5) Use the protractor to measure the angle in figure (B), then identify its type.



13

Unit: 13

Lesson (4) Measuring Angles

Week
(12)

Date: / /

Class performance:

Activity 1: Your friend protractor

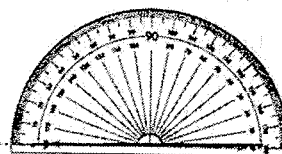
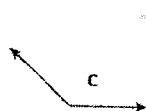
Work with your classmate. Use straws to construct different angles, draw it on your paper.

Then identify each angle's vertex, sides and type. Use the protractor to measure them.



Activity 2: How Many Degrees?

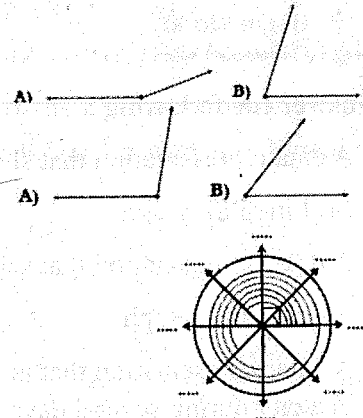
Work with your classmate. Use your protractor to measure each of the following angles.



Home Work:

Answer the following :

1. In the given figure, which angle is 70° ?
2. In the given figure, which angle is 100° ?
3. Draw an estimate angle that measures approximately 140° .
4. Draw an estimate angle that measures approximately 50° .
5. Write the measures of the benchmark angles on the circle.



13

Unit: 13

Lesson (5) Drawing Angles

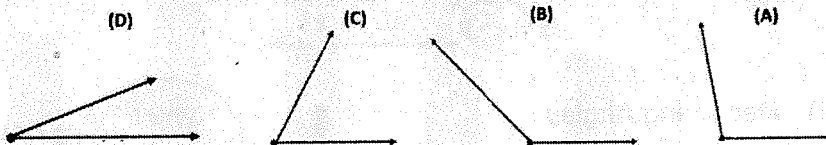
Week
(12)

Date: / /

Class performance:

Activity 1: Angles and Degrees

Work with your classmate. Write an estimate measure of each of the following angles.



Activity 2: You and Your Friends

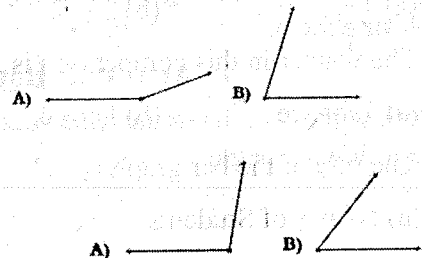
Work with your group to draw an estimate angles for the following measures:

- (a) 20° (b) 103° (c) 75° (d) 150°

Home Work:

Answer the following :

1. In the given figure, which angle is 150° ?
2. In the given figure, which angle is 60° ?
3. Draw an estimate angle of measure 120° .
4. Draw an estimate angle of measure 90° .

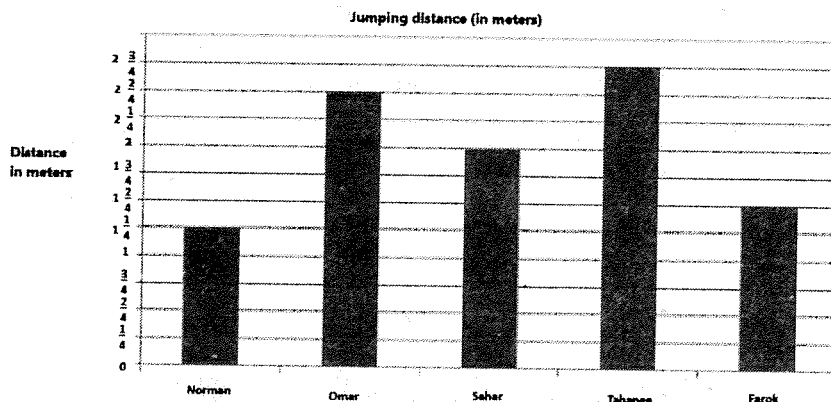


End of the second month exercises

First: Choose the Correct Answer:

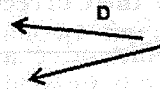
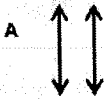
First: Choose the correct answer from the options given:

1. A data representation that shows two sets of data on the same graph is called:
(a) Line Plot graph (b) Bar graph (c) Double bar graph (d) Pictograph
2. A data representation that shows the frequency of data on a number line is called:
(a) Line Plot graph (b) Bar graph (c) Double bar graph (d) Pictograph
3. A data representation that is suitable to compare between maximum and minimum temperatures in a city during several days is called:
(a) Line Plot graph (b) Bar graph (c) Double bar graph (d) Pictograph
4. The vertical and horizontal lines in the graph are called:
(a) Title (b) Axes (c) Column (d) Key
5. The graph below shows the jumping distance (in meters) for a group of students:
Observe the graph and choose the correct answer from the given options:

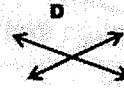
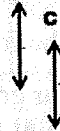


- a) The number of participants in the competition is students
(a) $1 \frac{1}{4}$ (b) $2 \frac{3}{4}$ (c) 3 (d) 5
 - b) The distance that Sahar jumped is meters
(a) $1 \frac{1}{4}$ (b) 2 (c) $2 \frac{1}{2}$ (d) $\frac{3}{4}$
 - c) The winner in this competition is
(a) Tahanees (b) Farouk (c) Nouran (d) Omar
 - d) The title of the bar graph is
(a) Names of Students (b) Distance in Meters
(c) Jumping Distance (d) Jumping Distance in Meters
6. The name of the polygon formed by four sides is
(a) Triangle (b) Quadrilateral (c) Pentagon (d) Hexagon

7. Which of the following lines are intersecting and are not perpendicular?



8) Which of the following lines are parallel?



9) The number of lines of symmetry of a rectangle is

- (a) 1 (b) 2 (c) 3 (d) 4

10) The type of an angle that is smaller than a right angle is

- (a) Acute (b) Obtuse (c) Straight (d) Right

11) The opposite angle is

- (a) Obtuse (b) Acute (c) Straight (d) Right

12) The type of triangle according to its angles is

- (a) Acute (b) Right (c) Obtuse (d) Equilateral

13) The area of a square whose side length is 5 cm = cm^2

- (a) 5 (b) 10 (c) 20 (d) 25

14) The type of triangle according to its angles is

- (a) Isosceles (b) Scalene (c) Right (d) Equilateral

15) The type of triangle according to its angles is

- (a) Isosceles (b) Scalene (c) Right (d) Equilateral

16) The number of acute angles in an acute-angled triangle equals

- (a) 0 (b) 1 (c) 2 (d) 3

17) When dividing the circle into 12 equal parts, the measure of each part equals

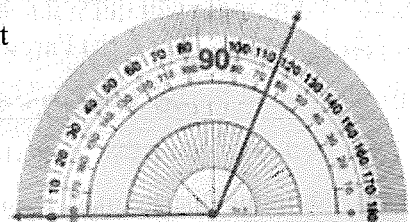
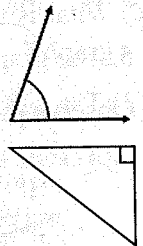
- (a) 30° (b) 90° (c) 120° (d) 180°

18) The angle whose measure is 40° is called

- (a) Acute (b) Obtuse (c) Right (d) Straight

19) The measure of the opposite angle is

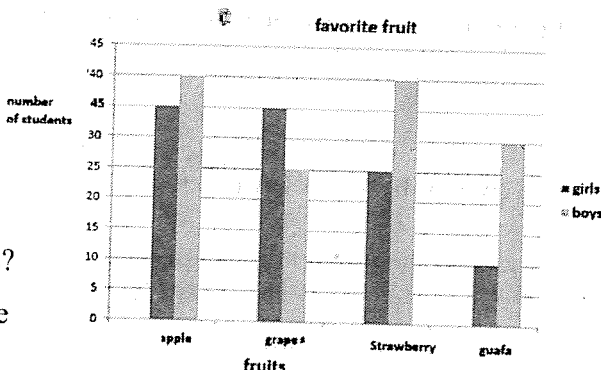
- (a) 75° (b) 65° (c) 125° (d) 115°



Second: Answer the following:

(1) Observe the following graph, then answer:

The graph below shows the favorite fruit among boys and girls at school:



- How many students prefer strawberries?
- How many more girls than boys prefer grapes?

(2) Observe the following data, then answer the questions below:

$$2\frac{1}{3}, 3, 4\frac{2}{3}, 2, 2\frac{2}{3}, 4, 3\frac{1}{3}, 2, 2\frac{1}{3}, 4\frac{2}{3}$$

- What is the most suitable representation to display this data?
- Which numerical sets can be used to represent this data on plot line graph?
- What is the start value on the number line that can be used to represent this data on a plot line graph?

(3) The table below shows the running distance covered (in kilometers) by students over two weeks.

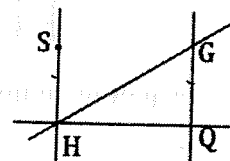
Represent the data using a double bar graph.

name \ week	Mahmoud	Tamer	Mohannad	Sameer
Week 1	2	$4\frac{1}{2}$	$3\frac{1}{2}$	4
Week 2	$2\frac{1}{2}$	$3\frac{1}{2}$	5	$4\frac{1}{2}$

Observe the table, then answer:

(4) Observe the following figure, then answer:

- Identify the line segment parallel to segment SH.
- Identify the line segment perpendicular to segment GQ.
- Identify three line segments that intersect with segment HG.



(5) In the following figure, color the shape that represents two perpendicular roads.

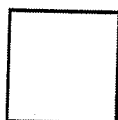
(6) Compare between the acute angle and the right angle.

(7) Draw a scalene triangle.

(8) Draw a triangle with all its angles are acute.

(9) Draw a triangle containing one obtuse angle.

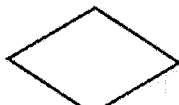
(10) Write the name of each of the following shapes:



A



B



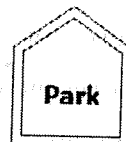
C



D



E



(11) In each of the following, identify the fraction represented by the shaded part on the circle model and determine the measure of the angle it represents.



A



B



C



D

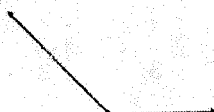


E

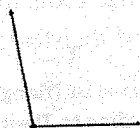
(12) In each of the following, identify the type of angle:

- (a) Angle measuring 180° (b) Angle measuring 120° (c) Angle measuring 35°

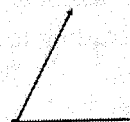
(13) In each of the following, use the protractor to measure each angle:



A



B



C

Unit 10***Q1 choose the correct answer:-***

1) Which of the following fractions is equal to 1 ?

- a) 0.1 b) 1.1 c) $\frac{10}{10}$ d) $\frac{10}{80}$

2) Which of decimal shows eight hundredths ?

- a) 8.00 b) 0.08 c) 0.80 d) 800

3) 0.4 is equivalent to

- a) $\frac{4}{100}$ b) $\frac{1}{4}$ c) $\frac{40}{100}$ d) $\frac{10}{4}$

4) The expanded form for the number 2.35 is

- a) $2+0.3+0.05$ b) $2+0.5+0.003$ c) $3+0.5+0.02$ d) $2+0.3+0.05$

5) 17 hundredths =

- a) 1700 b) 0.17 c) $\frac{17}{10}$ d) $\frac{71}{100}$

6) The value of the digit 4 in the number 3.24 is

- a) 4 b) 0.04 c) 40 d) 400

7) The standard form for the number 3 ones , 5 tenths , 7 hundredths is

- a) 3.57 b) 5.37 c) 3.75 d) 35.7

8) $74.53 = \dots\dots\dots + 74$

- a) 53 b) 530 c) 0.53 d) 5.3

9) $1.05 = \dots\dots\dots$

- a) $1\frac{5}{100}$ b) $1\frac{15}{100}$ c) $1\frac{5}{10}$ d) $1\frac{50}{100}$

10) $\frac{13}{100} = \dots\dots\dots$

- a) 1.03 b) 0.13 c) 1.30 d) 1.3

11) $7.9 = \dots\dots\dots$ tenths

- a) 0.79 b) 7.9 c) 79 d) 790



12) 8 = hundredths

- a) 800 b) 0.8 c) 0.08 d) 80

13) Which of the following is equivalent to $\frac{6}{10}$?

- a) 0.60 b) 0.06 c) 1.16 d) $\frac{60}{10}$

14) $\frac{7}{10}$ is equivalent to

- a) $\frac{7}{100}$ b) $\frac{70}{100}$ c) 7 d) 0.07

15) Which of the following is greater than 1 ?

- a) $\frac{300}{100}$ b) $\frac{30}{100}$ c) $\frac{3}{10}$ d) 0.30

16) 80 tenths is equivalent to

- a) 0.80 b) 0.08 c) 8 d) $\frac{8}{10}$

17) 7.2 7.15

- a) < b) > c) =

18) 2.4 $2\frac{42}{100}$

- a) < b) > c) =

19) 1.3 $\frac{125}{100}$

- a) < b) > c) =

20) 17 hundredths 17 tenths

- a) < b) > c) =

21) 3 hundredths $\frac{2}{10}$

- a) < b) > c) =

22) $\frac{3}{10} + \frac{17}{100}$

- a) $\frac{20}{100}$ b) $\frac{20}{10}$ c) $\frac{47}{100}$ d) $\frac{75}{100}$



23) $\frac{1}{10} + \frac{11}{100}$

a) 0.12

b) 0.21

c) 2.1

d) 1.2

24) $\frac{39}{100} + \frac{41}{100}$

a) $\frac{70}{100}$

b) $\frac{80}{10}$

c) $\frac{7}{10}$

d) 0.8

25) $3\frac{17}{100} + 2\frac{5}{10}$

a) $5\frac{67}{100}$

b) $5\frac{22}{10}$

c) $5\frac{22}{100}$

d) $6\frac{22}{100}$

26) 71 hundredths =

a) $\frac{7}{100}$

b) 0.71

c) $\frac{17}{100}$

d) 7100

27) 29 tenths =

a) 0.29

b) 2.9

c) 9.2

d) 90.2

28) 1.5 = tenths .

a) 0.15

b) 1.5

c) 150

d) 15

29) $\frac{2}{10}$ is equivalent to

a) 0.20

b) 0.02

c) 2.2

d) 2.0

30) 7 tenths $\frac{17}{100}$

a) <

b) >

c) =

31) 0.9 <

a) 0.7

b) 0.8

c) 0.15

d) 1.5

Q2 Complete the following :-

- 1) $\frac{5}{10} = \dots\dots\dots$ (in decimal form)
- 2) $\frac{7}{100} = \dots\dots\dots$ (in decimal form)
- 3) $0.08 = \dots\dots\dots$ (in fraction form)
- 4) The value of the digit 6 in the number 2.65 is
- 5) The place value of the digit 5 in the number 12.15 is
- 6) Forty six hundredths = (standard form)
- 7) Five hundreds and seven hundredths = (standard form)
- 8) 7 ones , 9 hundredths = (standard form)
- 9) $7.08 = \dots\dots\dots$ (word form)
- 10) $13 + 0.02 = \dots\dots\dots$ (word form)
- 11) $8.5 = \dots\dots\dots$ (unit form)
- 12) $2.34 = \dots\dots\dots$ (in fraction form)
- 13) $7.4 = \dots\dots\dots + \dots\dots\dots$
- 14) $\dots\dots\dots = 6 + 0.3$
- 15) $5.7 = \dots\dots\dots$ tenths
- 16) $3.75 = \dots\dots\dots$ hundredths
- 17) $5.2 = \dots\dots\dots$ hundredths
- 18) $2 + 0.5 = \dots\dots\dots$ (as a mixed number)
- 19) $8.07 = \dots\dots\dots$ (as a mixed number)
- 20) $\frac{123}{100} = \dots\dots\dots$ hundredths
- 21) $15.3 = \dots\dots\dots$ (improper fraction)
- 22) $\frac{3}{10} = \frac{\dots}{100}$
- 23) $\frac{80}{10} = \frac{\dots}{100}$
- 24) $\frac{1}{2} = \frac{\dots}{\dots}$ (write an equivalent)
- 25) $\frac{2}{3} = \frac{\dots}{\dots}$ (write an equivalent)

- 26) $\frac{900}{100} = \frac{\dots}{10}$
- 27) Twenty two and thirty-five hundredths =
- 28) Eighteen and six tenths =
- 29) 2 Ones, 3 Tenths, 5 Hundredths = (as a decimal)
- 30) seven and three tenths =
- 31) 6 tens and 8 tenths =
- 32) Two and nineteen hundredths =
- 33) $4 + 0.3 + 0.08 = \dots\dots\dots$ (standard form).
- 34) 4.5 tenths = (as a decimal)
- 35) 7 tenths = hundredths

Q3 Answer the following :-

- 1) Malak drank 0.6 liter of juice , Farida drank $\frac{4}{10}$ of juice. Who drank more ?
- 2) Maria walked $\frac{5}{10}$ kilometer then she walked $\frac{21}{100}$ kilometer . How long did she walk to her home ?
- 3) Yara bought a piece of cloth of length $\frac{8}{10}$ meter and Rose bought another piece of length $\frac{25}{100}$ meter. What is the total Length of the two pieces ?
- 4) Write the decimal number 3.65 in the expanded form .
- 5) Order from least to greatest 0.48 , 0.5 , 0.14 , 0.6
- 6) Order from greatest to least 9.14 , 1.5 , 9.2 , 1.99

Unit 11

Q1 choose the correct answer:-

1) The graph which depends on the number line is called

- a) double bar b) bar graph c) line plot

2) Which of the following can be represented by a line plot ?

- a) our favorite sports b) our favorite colors
c) our weights d) our favorite food

3) Which of the following can be represented by a double bar graph ?

- a) favorite animals b) marks of friends in Math
c) our heights d) marks of friends in Math & Arabic

4) Which type of graph is suitable to represent these data ?

Subject	Arabic	Math	Science	English
Boys	30	35	39	40
Girls	25	40	39	30

- a) double bar b) bar graph c) line plot

5) The following table can be represented by

Name	Samy	Omar	Karim
Age	28	33	17

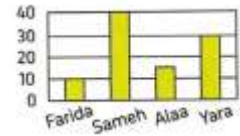
- a) double bar b) bar graph c) line plot

6) From the opposite table the value of X is

- a) 3 b) 4 c) 5 d) 6

Subject	Number
Math	X
English	13
Arabic	15
Science	11
Music	6
Total	50

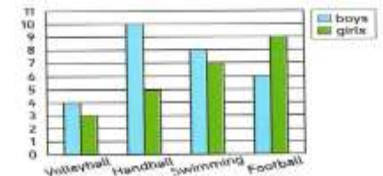
7) The opposite graph shows mark for four students, which student got lowest mark ?



- a) Farida b) Sameh c) Alaa d) Yara

8) The number of girls in handball equals

- a) 10 b) 4 c) 5 d) 7



9) The horizontal and vertical lines of graph are called

- a) keys b) axes c) titles d) number of sets

10) is the representation of data through individual columns .

- a) double bar b) bar graph c) line plot d) pictograph

11) To represent the number of walking hours for Ahmed and Hassan in one week you can use

- a) double bar b) bar graph c) line plot d) pictograph

12) When the data is numbers, use to represent on the number line .

- a) double bar b) bar graph c) line plot d) pictograph

13) To compare between rainfall in Egypt in the two years 2022 and 2023 , we use

- a) double bar b) bar graph c) line plot d) pictograph

14) The suitable graph representation to compare between two groups is

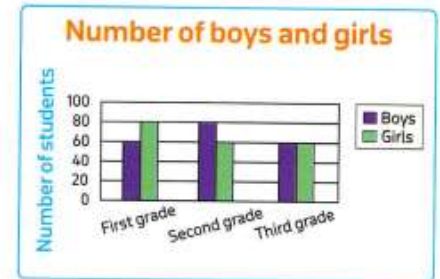
- a) double bar b) bar graph c) line plot d) pictograph



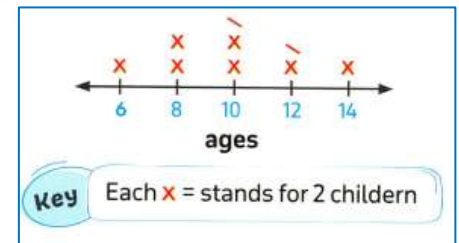
Q2 / Answer the following :-

1) From the opposite graph ,

- How many boys in first grade ?
- How many girls in the third grade ?
- In which grade the number of boys is equal to the number of girls ?



2) By using the opposite line plot find the number of children whose ages are 10 years old.

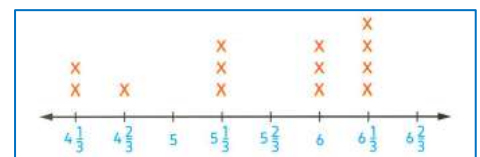


3) The table shows the internet usage for four friends in hour. Who use the internet the least time ?

Name	Saly	Fady	Amira	Ali
No. of hours	$\frac{1}{4}$	$1\frac{1}{2}$	$\frac{1}{3}$	1

4) From the following line plot, the number which is the most repeated is

.....

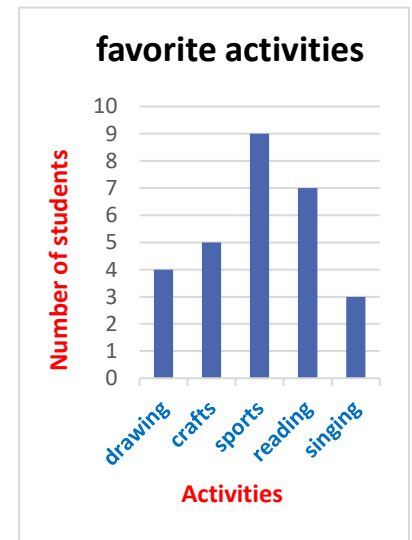


5) Use the following data to to make a line plot, then answer the questions :-

11 kg , $12\frac{1}{4}$ kg , $11\frac{3}{4}$, $11\frac{1}{2}$, 12 kg , $11\frac{1}{2}$ kg , $11\frac{1}{4}$, $11\frac{1}{4}$, $11\frac{1}{2}$ kg , 12 kg

6) The following graph shows student's votes for their favorite activities, answer the questions :-

- 1) Which activity did the most students prefer ?
- 2) Which activity was chosen by the fewest students ?
- 3) How many students chose reading ?
- 4) How many more students chose sports than crafts ?
- 5) Which two activities their sum equals the number of students chose sport ?



Unit 12

Q1 choose the correct answer:-

1) The opposite figure is named as

a) $\overrightarrow{CD}$ b) $\overleftarrow{CD}$ c) $\overleftrightarrow{CD}$ d) $\overline{CD}$ 

2) Which shows $\overrightarrow{CD}$

a) $\overrightarrow{C \quad D}$ b) $\overleftarrow{C \quad D}$ c) $\overleftrightarrow{C \quad D}$ d) $\overline{C \quad D}$

3) Which shows two parallel lines

a)

b)

c)

d)

4) Which shows two perpendicular lines

a)

b)

c)

d)

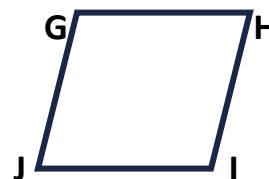
5) In the opposite figure ,
which is the pair of parallel line segments ?

a) IH and HG

b) GH and GJ

c) IJ and GJ

d) GJ and IH



6) All the following figures has a line of symmetry except

a)

b)

c)

d)

7) is formed by two rays that share an end point .

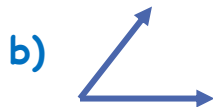
a) a point

b) a line segment

c) an angle

d) a ray

8) The figure that shows a right angle is



9) The figure that shows an obtuse angle is



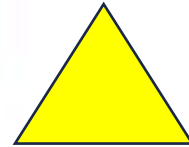
10) How many obtuse angles in the opposite figure ?

a) 0

b) 1

c) 2

d) 3



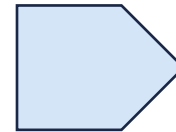
11) How many right angles in the opposite figure ?

a) 0

b) 1

c) 2

d) 3



12) The opposite triangle is a/an triangle

a) acute

b) right

c) obtuse

d) scalene



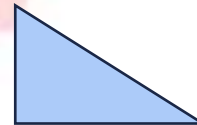
13) The number of acute angles in the opposite figure is

a) 0

b) 1

c) 2

d) 3



14) The opposite triangle is a/an triangle

a) equilateral

b) isosceles

c) obtuse

d) scalene



15) The number of equal sides in equilateral triangle is

a) 0

b) 1

c) 2

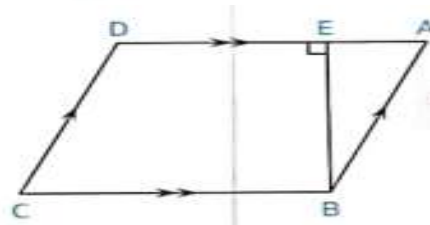
d) 3

- 16) The number of right angles in the scalene right triangle is
- a) 0 b) 1 c) 2 d) 3
- 17) The isosceles obtuse triangle has equal sides .
- a) 0 b) 1 c) 2 d) 3
- 18) All the obtuse triangles has Acute angles .
- a) 0 b) 1 c) 2 d) 3
- 19) A quadrilateral that has 4 equal sides and 4 right angles is called
- a) rectangle b) square c) rhombus d) trapezium
- 20) A parallelogram has 4 equal sides is
- a) rectangle b) parallelogram c) rhombus d) trapezium
- 21) A is a rectangle with 4 equal sides .
- a) rectangle b) parallelogram c) rhombus d) square
- 22) A parallelogram has
- a) 4 equal sides b) 1 pair of parallel sides
c) 4 right angles d) 2 pairs of parallel sides
- 23) A square has
- a) 2 acute angles b) 4 right angles
c) 2 obtuse angles d) 4 different angles
- 24) A rectangle has right angles .
- a) 4 b) 1 c) 2 d) 3
- 25) A rhombus has equal sides .
- a) 4 b) 1 c) 2 d) 3
- 26) A  has line(s) of symmetry .
- a) 0 b) 1 c) 2 d) 3

Q2 Complete the following:-

- 1) The opposite figure is called 
- 2) The opposite figure is called 
- 3) The opposite figure is called 
- 4) has a starting point and no endpoint.
- 5) The two perpendicular straight lines make square corners.
- 6) The two lines cannot intersecting.
- 7) The two lines  are called
- 8) The two lines  are called
- 9) A is a part of a line , it has two end points .
- 10) The measure of angle is less than the measure of right angle.
- 11) The triangle with only two equal sides is called
- 12) The triangle with three equal sides is called
- 13) The triangle with three different sides is called
- 14) The triangle with only one angle greater than right angle is called
- 15) The type of triangle whose side lengths 4cm , 5cm , 6cm is
- 16) The type of triangle whose side lengths 8cm , 9cm , 8cm is
- 17) The type of equilateral triangle according to its angles is
- 18) Any triangle has at least acute angles .
- 19) The type of triangle which has an obtuse angle and two acute angles is
- 20) has only one pair of parallel sides (only 2 parallel sides) .
- 21) is a parallelogram with 4 right angles .
- 22) is a rectangle with 4 equal sides .
- 23) A quadrilateral is any polygon with sides .
- 24) A rhombus is a parallelogram with 4 equal
- 25) A is a parallelogram with 4 equal sides , two acute angles two obtuse sides .

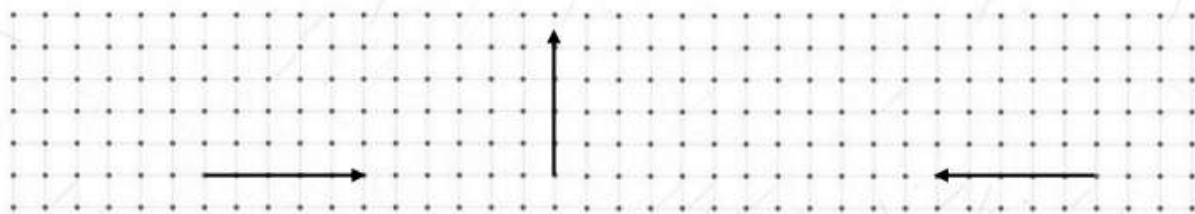
- 26) A quadrilateral that has 2 pairs of parallel sides and has 4 equal sides and 4 right angles is called
- 27) A is a rhombus with 4 right angles
- 28) The number of equal sides in the scalene acute triangle is
- 29) A rectangle has right angles .
- 30) In The equilateral triangle there are three sides are in length .
- 31) The square has right angles .
- 32) The rectangle has right angles .
- 33) From the opposite figure ,
- AB and are parallel .
 - BE is perpendicular to
 - AD is parallel to
 - EB and AD intersect at point



Q3 Answer the following:-

- 1) Draw AB is parallel to CD
- 2) Draw AB is perpendicular to CD
- 3) Draw an obtuse angle
- 4) Draw a parallelogram that has 4 right angles and 4 equal sides

- 5) Using the dot grid and the ruler, complete the following angles:

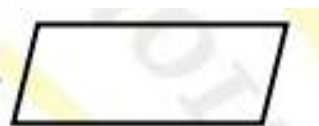


An obtuse angle

A right angle

An acute angle

- 6) How many angles of the opposite shape ?



- 7) How many right angles of the opposite shape ?



- 8) What is the type of the opposite angle ?



Unit 13

Q1 choose the correct answer:-

1) The measure of the right angle equals°

- a) 0 b) 90 c) 180 d) 360

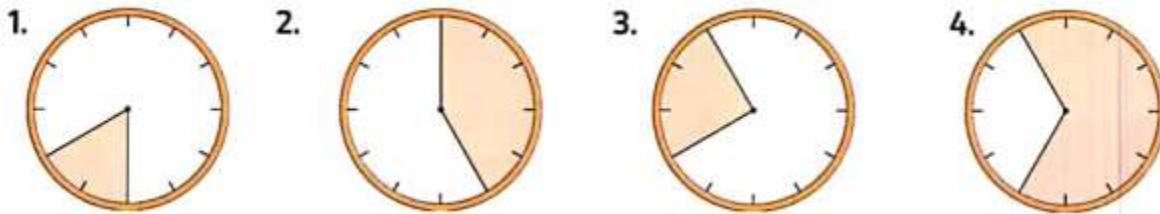
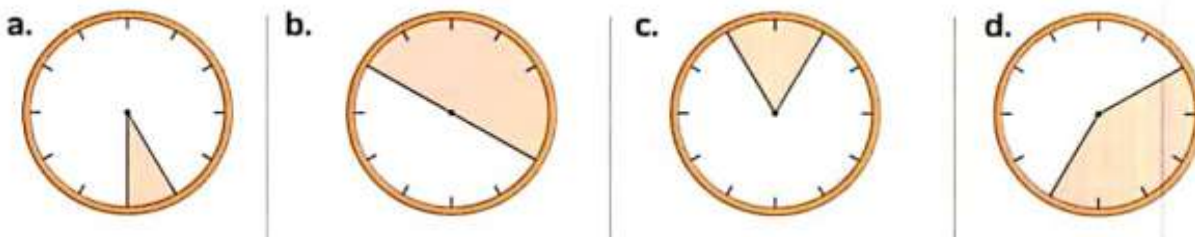
2) angle measure's between 0° and 90°

- a) acute b) obtuse c) right d) straight

3) Which of the following diagrams shows a right angle moving clockwise from 0°?

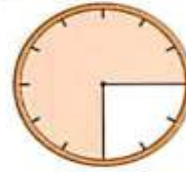


4) Which of the following circles shows 90° ?

5) Which of the following circles shows $\frac{1}{6}$?

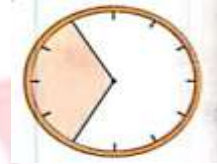
6) The angle which represents the colored part equals

- a) 60° b) 300°
c) 120° d) 270°



7) The fraction which represents the colored part equals

- a) $\frac{1}{4}$ b) $\frac{1}{6}$
c) $\frac{1}{2}$ d) $\frac{1}{3}$



8) The angle which measures 270° shows a fraction

- a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) $\frac{1}{2}$ d) $\frac{3}{4}$

9) What fraction of a circle a 60° would represent ?

- a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{6}$

10) What fraction of a circle a 1° would represent ?

- a) $\frac{300}{360}$ b) $\frac{1}{360}$ c) $\frac{360}{360}$ d) $\frac{60}{360}$

11) The fraction $\frac{5}{12}$ makes an angle of measure $^\circ$

- a) 150 b) 90 c) 210 d) 300

12) A protractor is an instrument used to measure

- a) sides b) weight c) angle d) capacity

13) The measure of opposite angle is $^\circ$

- a) 135° b) 100°
c) 120° d) 150°



14) The measure of opposite angle is °

a) 85°

b) 10°

c) 90°

d) 30°



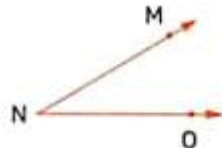
15) The opposite angle is named as

a) NMO

b) MON

c) MNO

d) OMN



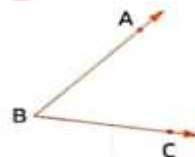
16) Name the sides of the angle ABC

a) $\overrightarrow{AB}, \overrightarrow{BC}$

b) $\overrightarrow{AC}, \overrightarrow{AB}$

c) $\overrightarrow{BA}, \overrightarrow{CB}$

d) $\overrightarrow{BC}, \overrightarrow{BA}$



17) The related fraction to the angle of measure 120° is

a) $\frac{1}{2}$

b) $\frac{1}{4}$

c) $\frac{1}{3}$

d) $\frac{1}{6}$

18) The straight angle is the same as right angles .

a) 1

b) 2

c) 3

d) 4

19) The measure of opposite angle is °

a) 132°

b) 50°

c) 130°

d) 120°



20) The measure of opposite angle is °

a) 125°

b) 55°

c) 135°

d) 65°



21) The measure of straight angle = the measure of circle .

a) $\frac{1}{2}$

b) $\frac{1}{4}$

c) $\frac{1}{3}$

d) $\frac{1}{6}$



22) Circle can be divided into right angles.

- a) 1 b) 2 c) 3 d) 4

23) Which is a measure of an acute angle ?

- a) 40° b) 90° c) 180° d) 120°

24) The fraction $\frac{1}{12}$ of a circle makes an angle of measure degrees.

- a) 180 b) 90 c) 30 d) 60

25) The fraction $\frac{5}{12}$ makes an angle of measure

- a) 300° b) 90° c) 150° d) 210°

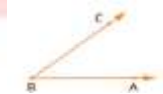
26) The angle which measure is 360° represents a fraction of

- a) $\frac{1}{2}$ b) $\frac{3}{4}$ c) $\frac{4}{10}$ d) $\frac{12}{12}$



Q2 Complete the following :-

- 1) The measure of the right angle equals^o
- 2) The measure of the straight angle equals^o
- 3) angle measures between 90^o and 180^o
- 4) 12^o is classified as angle .
- 5) 89^o is classified as angle .
- 6) 175^o is classified as angle .
- 7) $\frac{1}{2}$ of a circle measures^o
- 8) $\frac{1}{4}$ of a circle measures^o
- 9) $\frac{1}{3}$ of a circle measures^o
- 10) There are degrees in a circle .
- 11) The angle measures 180^o is called angle .
- 12) angle measures between 0^o and 90^o
- 13) angle is $\frac{1}{4}$ of a circle
- 14) The measure of the acute angle is less than^o
- 15) The angle measures 170^o is called angle .
- 16) The angle whose measure is 99^o is called angle .
- 17) The vertex of opposite angle is
- 18) The name of the opposite angle is



Q3 Answer the following :-

1) use the protractor to draw an angle with the given measurement

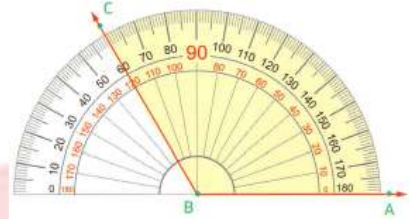
(40° , 100° , 135°)

2) Use the opposite angle to answer the questions :

Its name is $\angle$

Its type is

Its measure = $^\circ$



Answers

Unit 10

Q1 Choose the correct answer :-

1) Which of the following fractions is equal to 1 ?

a) 0.1

b) 1.1

c) $\frac{10}{10}$ d) $\frac{10}{100}$

2) Which of decimal shows eight hundredths ?

a) 8.00

b) 0.08

c) 0.80

d) 800

3) 0.4 is equivalent to

a) $\frac{4}{100}$ b) $\frac{1}{4}$ c) $\frac{40}{100}$ d) $\frac{10}{4}$

4) The expanded form for the number 2.35 is

a) $2+0.3+0.05$ b) $2+0.5+0.003$ c) $3+0.5+0.02$ d) $2+0.3+0.05$

5) 17 hundredths =

a) 1700

b) 0.17

c) $\frac{17}{10}$ d) $\frac{71}{100}$

6) The value of the digit 4 in the number 3.24 is

a) 4

b) 0.04

c) 40

d) 400

7) The standard form for the number 3 ones , 5 tenths , 7 hundredths is

a) 3.57

b) 5.37

c) 3.75

d) 35.7

8) $74.53 = \dots + 74$

a) 53

b) 530

c) 0.53

d) 5.3

9) $1.05 = \dots$

a) $1\frac{5}{100}$ b) $1\frac{15}{100}$ c) $1\frac{5}{10}$ d) $1\frac{50}{100}$

10) $\frac{13}{100} = \dots$

a) 1.03

b) 0.13

c) 1.30

d) 1.3

11) 7.9 = tenths

a) 0.79

b) 7.9

c) 79

d) 790

12) 8 = hundredths

a) 800

b) 0.8

c) 0.08

d) 80

13) Which of the following is equivalent to $\frac{6}{10}$?

a) 0.60

b) 0.06

c) 1.16

d) $\frac{60}{10}$

14) $\frac{7}{10}$ is equivalent to

a) $\frac{7}{100}$

b) $\frac{70}{100}$

c) 7

d) 0.07

15) Which of the following is greater than 1 ?

a) $\frac{300}{100}$

b) $\frac{30}{100}$

c) $\frac{3}{10}$

d) 0.30

16) 80 tenths is equivalent to

a) 0.80

b) 0.08

c) 8

d) $\frac{8}{10}$

17) 7.2 7.15

a) <

b) >

c) =

18) 2.4 $2\frac{42}{100}$

a) <

b) >

c) =

19) 1.3 $\frac{125}{100}$

a) <

b) >

c) =

20) 17 hundredths 17 tenths

a) <

b) >

c) =

21) 3 hundredths $\frac{2}{10}$

a) <

b) >

c) =

22) $\frac{3}{10} + \frac{17}{100}$



- a) $\frac{20}{100}$ b) $\frac{20}{10}$ c) $\frac{47}{100}$ d) $\frac{75}{100}$
- 23) $\frac{1}{10} + \frac{11}{100}$
- a) 0.12 b) 0.21 c) 2.1 d) 1.2
- 24) $\frac{39}{100} + \frac{41}{100}$
- a) $\frac{70}{100}$ b) $\frac{80}{10}$ c) $\frac{7}{10}$ d) 0.8
- 25) $3\frac{17}{100} + 2\frac{5}{10}$
- a) $5\frac{67}{100}$ b) $5\frac{22}{10}$ c) $5\frac{22}{100}$ d) $6\frac{22}{100}$
- 26) 71 hundredths =
- a) $\frac{7}{100}$ b) 0.71 c) $\frac{17}{100}$ d) 7100
- 27) 29 tenths =
- a) 0.29 b) 2.9 c) 9.2 d) 90.2
- 28) 1.5 = tenths .
- a) 0.15 b) 1.5 c) 150 d) 15
- 29) $\frac{2}{10}$ is equivalent to
- a) 0.20 b) 0.02 c) 2.2 d) 2.0
- 30) 7 tenths $\frac{17}{100}$
- a) < b) > c) =
- 31) 0.9 <
- a) 0.7 b) 0.8 c) 0.15 d) 1.5

Q2 Complete the following :-

- 1) $\frac{5}{10} = 0.5$ (in decimal form)
- 2) $\frac{7}{100} = 0.07$ (in decimal form)
- 3) $0.08 = \frac{8}{100}$ (in fraction form)
- 4) The value of the digit 6 in the number 2.65 is 0.6
- 5) The place value of the digit 5 in the number 12.15 is hundredths.
- 6) Forty six hundredths = 0.46 (standard form)
- 7) Five hundreds and seven hundredths = 500.07 (standard form)
- 8) 7 ones , 9 hundredths = 7.09 (standard form)
- 9) 7.08 = seven and eight hundredths (word form)
- 10) $13 + 0.02 = 13.02$ (word form)
- 11) $8.5 = 8 \text{ ones , } 5 \text{ tenths}$ (unit form)
- 12) $2.34 = 2\frac{34}{100}$ (in fraction form)
- 13) $7.4 = 7 + 0.4$
- 14) $6.3 = 6 + 0.3$
- 15) $5.7 = 57 \text{ tenths}$
- 16) $3.75 = 375 \text{ hundredths}$
- 17) $5.2 = 520 \text{ hundredths}$
- 18) $2 + 0.5 = 2\frac{5}{10}$ (as a mixed number)
- 19) $8.07 = 8\frac{7}{100}$ (as a mixed number)
- 20) $\frac{123}{100} = 1.23 \text{ hundredths}$
- 21) $15.3 = \frac{153}{10}$ (improper fraction)
- 22) $\frac{3}{10} = \frac{30}{100}$
- 23) $\frac{80}{10} = \frac{8000}{100}$
- 24) $\frac{1}{2} = \frac{4}{8}$ (write an equivalent)
- 25) $\frac{2}{3} = \frac{10}{15}$ (write an equivalent)
- 26) $\frac{900}{100} = \frac{90}{10}$
- 27) Twenty two and thirty-five hundredths = 22.35

- 28) Eighteen and six tenths = 18.6
- 29) 2 Ones, 3 Tenths, 5 Hundredths = 5.35 (as a decimal)
- 30) seven and three tenths = 7.3
- 31) 6 tens and 8 tenths = 60.8
- 32) Two and nineteen hundredths = 2.19
- 33) $4 + 0.3 + 0.08 = 4.38$ (standard form).
- 34) 4.5 tenths = 0.45 (as a decimal)
- 35) 7 tenths = 70 hundredths

Q3 /Answer the following :-

- 1) Malak drank 0.6 liter of juice , Farida drank $\frac{4}{10}$ of juice. Who drank more ? **Malak drank more**



- 2) Maria walked $\frac{5}{10}$ kilometer then she walked $\frac{21}{100}$ kilometer . How long did she walk to her home ?

$$\text{Total distance} = \frac{50}{100} + \frac{21}{100} = \frac{5}{10} + \frac{21}{100} = \frac{71}{100} \text{ km}$$

- 3) Yara bought a piece of cloth of length $\frac{8}{10}$ meter and Rose bought another piece of length $\frac{25}{100}$ meter. What is the difference two pieces ?

$$\text{The difference} = \frac{8}{10} - \frac{25}{100} = \frac{80}{100} - \frac{25}{100} = \frac{55}{100} \text{ m}$$

- 4) Write the decimal number 3.65 in the expanded form .

$$3 + 0.6 + 0.05$$

- 5) Order from least to greatest 0.48 , 0.5 , 0.14 , 0.6

$$\text{Order / } 0.14 , 0.48 , 0.5 , 0.6$$

- 6) Order from greatest to least 9.14 , 1.5 , 9.2 , 1.99

$$\text{Order / } 9.2 , 9.14 , 1.99 , 1.5$$

Unit 11

Q1 / Choose the correct answer :-

- 1) The graph which depends on the number line is called



- a) double bar b) bar graph c) line plot

2) Which of the following can be represented by a line plot ?

- a) our favorite sports b) our favorite colors
c) our weights d) our favorite food

3) Which of the following can be represented by a double bar graph ?

- a) favorite animals b) marks of friends in Math
c) our heights d) marks of friends in Math & Arabic

4) Which type of graph is suitable to represent these data ?

- a) double bar b) bar graph c) line plot

5) The following table can be represented by

.....

Subject	Arabic	Math	Science	English
Boys	30	35	39	40
Girls	25	40	39	30

- a) double bar b) bar graph c) line plot

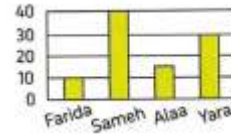
6) From the opposite table the value of X is

- a) 3 b) 4 c) 5 d) 6

Name	Samy	Omar	Karim
Age	28	33	17

Math	X
English	13
Arabic	15
Science	11
Music	6
Total	50

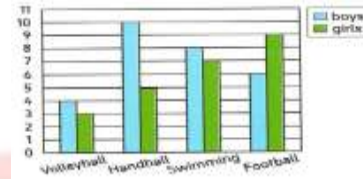
- 7) The opposite graph shows mark for four students, which student got lowest mark ?



- a) Farida b) Sameh c) Alaa d) Yara

- 8) The number of girls in handball equals

- a) 10 b) 4 c) 5 d) 7



- 9) The horizontal and vertical lines of graph are called

- a) keys b) axes c) titles d) number of sets

- 10) is the representation of data through individual columns .

- a) double bar b) bar graph c) line plot d) pictograph

- 11) To represent the number of walking hours for Ahmed and Hassan in one week you can use

- a) double bar b) bar graph c) line plot d) pictograph

- 12) When the data is numbers, use to represent on the number line .

- a) double bar b) bar graph c) line plot d) pictograph

- 13) To compare between rainfall in Egypt in the two years 2022 and 2023 , we use

- a) double bar b) bar graph c) line plot d) pictograph

- 14) The suitable graph representation to compare between two groups is

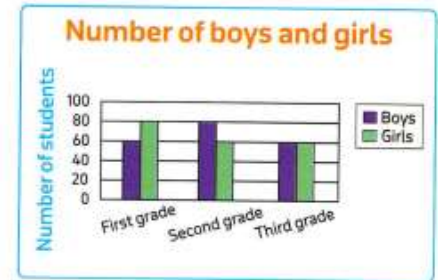
- a) double bar b) bar graph c) line plot d) pictograph



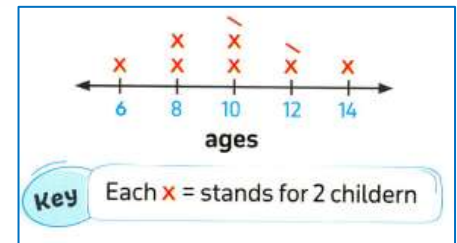
Q2 / Answer the following :-

1) From the opposite graph ,

- d) How many boys in first grade ? 60
- e) How many girls in the third grade ? 60
- f) In which grade the number of boys is equal to the number of girls ? third grade



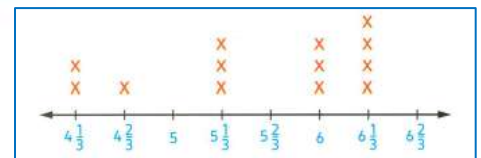
2) By using the opposite line plot find the number of children whose ages are 10 years old. 5



3) The table shows the internet usage for four friends in hour. Who use the internet the least time ? Sally

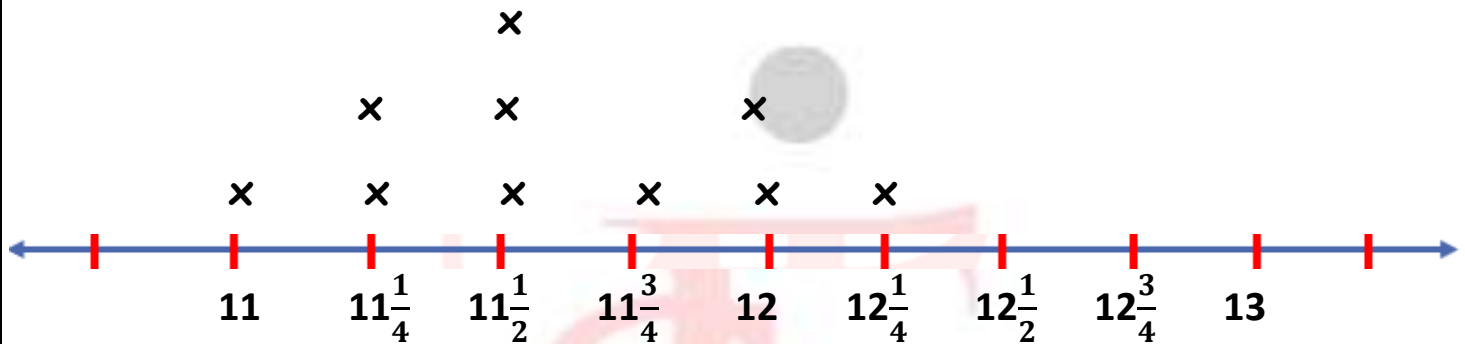
Name	Saly	Fady	Amira	Ali
No. of hours	$\frac{1}{4}$	$1\frac{1}{2}$	$\frac{1}{3}$	1

4) From the following line plot, the number which is the most repeated is $6\frac{1}{3}$



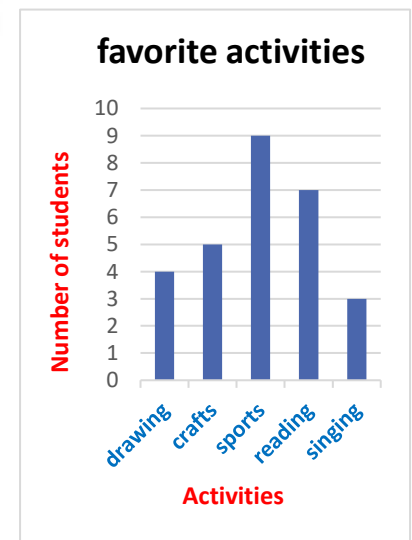
5) Use the following data to to make a line plot, then answer the questions :-

11 g , $12\frac{1}{4}$ kg , $11\frac{3}{4}$, $11\frac{1}{2}$, 12 kg , $11\frac{1}{2}$ kg , $11\frac{1}{4}$, $11\frac{1}{4}$, $11\frac{1}{2}$ kg , 12 kg



6) The following graph shows student's votes for their favorite activities, answer the questions :-

- 1) Which activity did the most students prefer ?
sports
- 2) Which activity was chosen by the fewest students ?
singing
- 3) How many students chose reading ? 7
- 4) How many more students chose sports than crafts ?
 $9 - 5 = 4$
- 5) Which two activities their sum equals the number of students chose sport ? drawing and craft



Unit 12

Q1 Choose the correct answer :-

1) The opposite figure is named as

a) $\overrightarrow{CD}$ b) $\overleftarrow{CD}$ c) $\overleftrightarrow{CD}$ d) $\overline{CD}$ 2) Which shows $\overline{CD}$ a) $\overline{CD}$ b) $\overleftarrow{CD}$ c) $\overleftrightarrow{CD}$ d) $\overline{CD}$

3) Which shows two parallel lines

a)

b)

c)

d)

4) Which shows two perpendicular lines

a)

b)

c)

d)

5) In the opposite figure ,
which is the pair of parallel line segments ?

a) IH and HG

b) GH and GJ

c) IJ and GJ

d) GJ and IH



6) All the following figures has a line of symmetry except

a)

b)

c)

d)

7) is formed by two rays that share an end point .

a) a point

b) a line segment

c) an angle

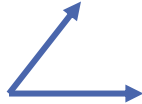
d) a ray

8) The figure that shows a right angle is

a)



b)



c)

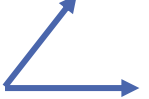


d)



9) The figure that shows an obtuse angle is

a)



b)



c)



d)



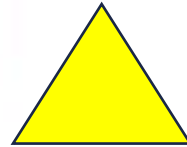
10) How many obtuse angles in the opposite figure ?

a) 0

b) 1

c) 2

d) 3



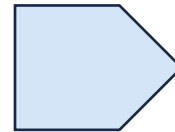
11) How many right angles in the opposite figure ?

a) 0

b) 1

c) 2

d) 3



12) The opposite triangle is a/an triangle

a) acute

b) right

c) obtuse

d) scalene



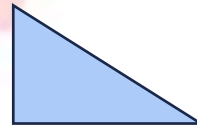
13) The number of acute angles in the opposite figure is

a) 0

b) 1

c) 2

d) 3



14) The opposite triangle is a/an triangle

a) equilateral

b) isosceles

c) obtuse

d) scalene



15) The number of equal sides in equilateral triangle is

a) 0

b) 1

c) 2

d) 3

16) The number of right angles in the scalene right triangle is

- a) 0 b) 1 c) 2 d) 3

17) The isosceles obtuse triangle has equal sides .

- a) 0 b) 1 c) 2 d) 3

18) All the obtuse triangles has Acute angles .

- a) 0 b) 1 c) 2 d) 3

19) A quadrilateral that has 4 equal sides and 4 right angles is called

- a) rectangle b) square c) rhombus d) trapezium

20) A parallelogram has 4 equal sides is

- a) rectangle b) parallelogram c) rhombus d) trapezium

21) A is a rectangle with 4 equal sides .

- a) rectangle b) parallelogram c) rhombus d) square

22) A parallelogram has

- a) 4 equal sides b) 1 pair of parallel sides
c) 4 right angles d) 2 pairs of parallel sides

23) A square has

- a) 2 acute angles b) 4 right angles
c) 2 obtuse angles d) 4 different angles

24) A rectangle has right angles .

- a) 4 b) 1 c) 2 d) 3

25) A rhombus has equal sides .

- a) 4 b) 1 c) 2 d) 3

26) A  has line(s) of symmetry .

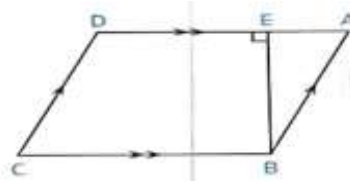
- a) 0 b) 1 c) 2 d) 3



Q2 Complete the following:-

- 1) The opposite figure is called straight line 
- 2) The opposite figure is called ray 
- 3) The opposite figure is called line segment 
- 4) The ray has a starting point and no endpoint.
- 5) The two perpendicular straight lines make 4 square corners.
- 6) The two parallel lines cannot intersecting.
- 7) The two lines  are called parallel
- 8) The two lines  are called perpendicular
- 9) A line segment is a part of a line , it has two end points .
- 10) The measure of acute angle is less than the measure of right angle.
- 11) The triangle with only two equal sides is called isosceles triangle.
- 12) The triangle with three equal sides is called equilateral triangle.
- 13) The triangle with three different sides is called scalene triangle.
- 14) The triangle with only one angle greater than right angle is called obtuse triangle.
- 15) The type of triangle whose side lengths 4cm,5cm,6cm is scalene triangle
- 16) The type of triangle whose side lengths 8cm,9cm,8cm is isosceles triangle.
- 17) The type of equilateral triangle according to its angles is equilateral triangle.
- 18) Any triangle has at least 2 acute angles .
- 19) The type of triangle which has an obtuse angle and two acute angles is obtuse triangle.
- 20) Trapezium has only one pair of parallel sides (only 2 parallel sides) .
- 21) Rectangle is a parallelogram with 4 right angles .
- 22) Square is a rectangle with 4 equal sides .
- 23) A quadrilateral is any polygon with 4 sides .
- 24) A rhombus is a parallelogram with 4 equal sides.

- 25) A rhombus is a parallelogram with 4 equal sides , two acute angles two obtuse sides .
- 26) A quadrilateral that has 2 pairs of parallel sides and has 4 equal sides and 4 right angles is called square.
- 27) A square is a rhombus with 4 right angles
- 28) The number of equal sides in the scalene acute triangle is zero.
- 29) A rectangle has 4 right angles .
- 30) In The equilateral triangle there are three sides are equal in length .
- 31) The square has 4 right angles .
- 32) The rectangle has 4 right angles .
- 33) From the opposite figure ,
- e) AB and DC are parallel .
 - f) BE is perpendicular to AD
 - g) AD is parallel to BC
 - h) EB and AD intersect at point E



Q3 Answer the following:-

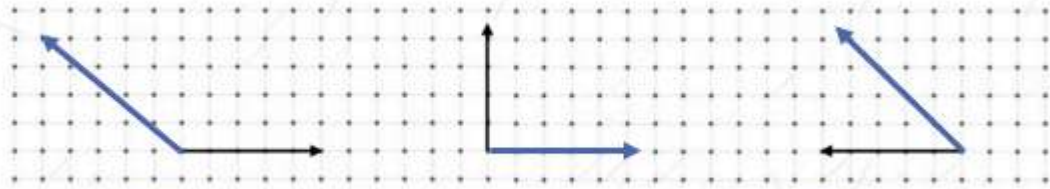
1) Draw AB is parallel to CD (draw by yourself)

2) Draw AB is perpendicular to CD (draw by yourself)

3) Draw an obtuse angle (draw by yourself)

4) Draw a parallelogram that has 4 right angles and 4 equal sides (draw by yourself)

5) Using the dot grid and the ruler, complete the following angles:

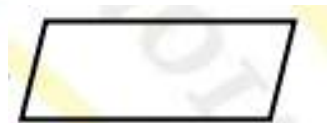


An obtuse angle

A right angle

An acute angle

6) How many angles of the opposite shape ?
4 angles



7) How many right angles of the opposite shape ?
4 right angles



8) What is the type of the opposite angle ?
straight angle.



Unit 13

Q1 choose the correct answer:-

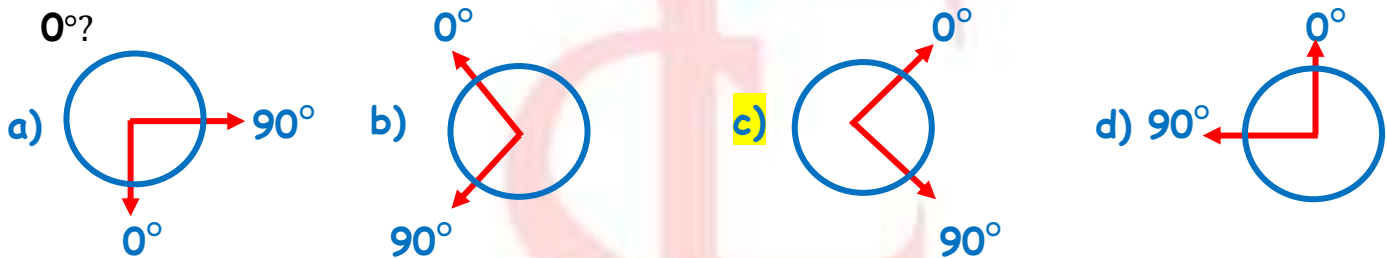
1) The measure of the right angle equals°

- a) 0 b) **90** c) 180 d) 360

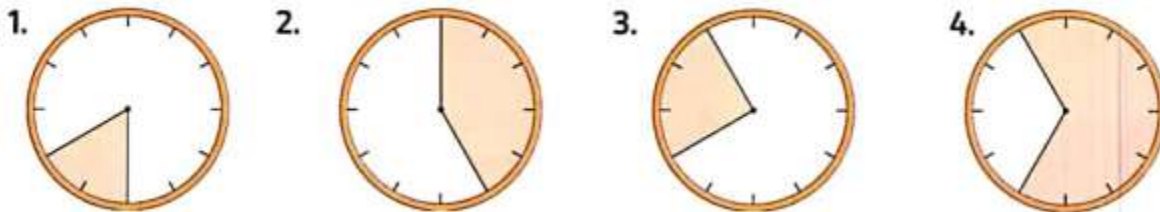
2) angle measure's between 0° and 90°

- a) **acute** b) obtuse c) right d) straight

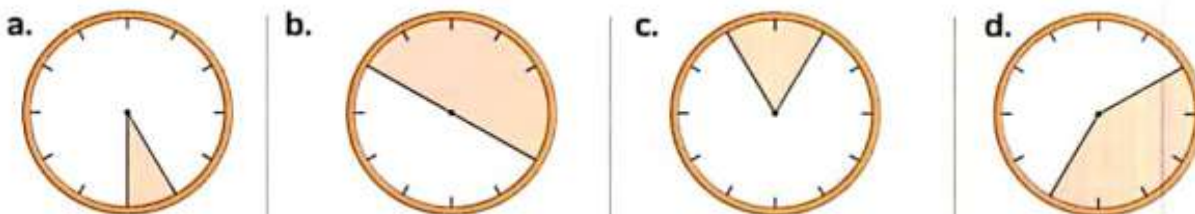
3) Which of the following diagrams shows a right angle moving clockwise from 0°?



4) Which of the following circles shows 90° ?

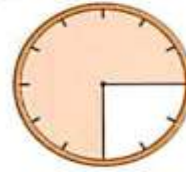


5) Which of the following circles shows $\frac{1}{6}$?



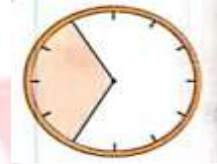
6) The angle which represents the colored part equals

- a) 60° b) 300°
c) 120° d) 270°



7) The fraction which represents the colored part equals

- a) $\frac{1}{4}$ b) $\frac{1}{6}$
c) $\frac{1}{2}$ d) $\frac{1}{3}$



8) The angle which measures 270° shows a fraction

- a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) $\frac{1}{2}$ d) $\frac{3}{4}$

9) What fraction of a circle a 60° would represent ?

- a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{6}$

10) What fraction of a circle a 1° would represent ?

- a) $\frac{300}{360}$ b) $\frac{1}{360}$ c) $\frac{360}{360}$ d) $\frac{60}{360}$

11) The fraction $\frac{5}{12}$ makes an angle of measure $^\circ$

- a) 150 b) 90 c) 210 d) 300

12) A protractor is an instrument used to measure

- a) sides b) weight c) angle d) capacity

13) The measure of opposite angle is $^\circ$

- a) 135° b) 100°
c) 120° d) 150°



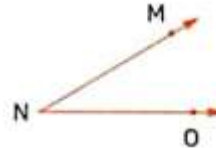
14) The measure of opposite angle is °

- a) 85° b) 10°
c) 90° d) 30°



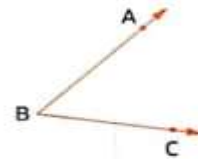
15) The opposite angle is named as

- a) NMO b) MON
c) MNO d) OMN



16) Name the sides of the angle ABC

- a) $\overrightarrow{AB}, \overrightarrow{BC}$ b) $\overrightarrow{AC}, \overrightarrow{AB}$
c) $\overrightarrow{BA}, \overrightarrow{CB}$ d) $\overrightarrow{BC}, \overrightarrow{BA}$



17) The related fraction to the angle of measure 120° is

- a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{6}$

18) The straight angle is the same as right angles .

- a) 1 b) 2 c) 3 d) 4

19) The measure of opposite angle is °

- a) 132° b) 50°
c) 130° d) 120°



20) The measure of opposite angle is °

- a) 125° b) 55°
c) 135° d) 65°



21) The measure of straight angle = the measure of circle .

- a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{6}$



22) Circle can be divided into right angles.

- a) 1 b) 2 c) 3 d) 4

23) Which is a measure of an acute angle ?

- a) 40° b) 90° c) 180° d) 120°

24) The fraction $\frac{1}{12}$ of a circle makes an angle of measure degrees.

- a) 180 b) 90 c) 30 d) 60

25) The fraction $\frac{5}{12}$ makes an angle of measure

- a) 300° b) 90° c) 150° d) 210°

26) The angle which measure is 360° represents a fraction of

- a) $\frac{1}{2}$ b) $\frac{3}{4}$ c) $\frac{4}{10}$ d) $\frac{12}{12}$



Q2 Complete the following :-

- 1) The measure of the right angle equals 90°
- 2) The measure of the straight angle equals 180°
- 3) Obtuse angle measures between 90° and 180°
- 4) 12° is classified as acute angle .
- 5) 89° is classified as acute angle .
- 6) 175° is classified as Obtuse angle .
- 7) $\frac{1}{2}$ of a circle measures 180°
- 8) $\frac{1}{4}$ of a circle measures 90°
- 9) $\frac{1}{3}$ of a circle measures 120°
- 10) There are 360° degrees in a circle .
- 11) The angle measures 180° is called straight angle .
- 12) Acute angle measures between 0° and 90°
- 13) The right angle is $\frac{1}{4}$ of a circle
- 14) The measure of the acute angle is less than zero $^\circ$
- 15) The angle measures 170° is called Obtuse angle .
- 16) The angle whose measure is 99° is called Obtuse angle .
- 17) The vertex of opposite angle is B
- 18) The name of the opposite angle is ZYX



Q3 Answer the following :-

3) use the protractor to draw an angle with the given measurement

(40° , 100° , 135°)

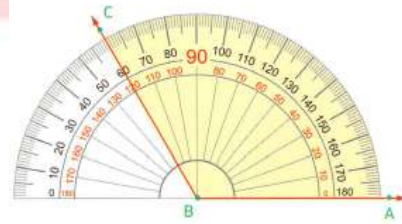
Draw by yourself

4) Use the opposite angle to answer the questions :

Its name is $\angle ABC$

Its type is Obtuse

Its measure = 120°



Q1: Choose the correct answer :-

1 Five eighths =

(a) $\frac{5}{8}$

(b) $\frac{5}{13}$

(c) $\frac{8}{5}$

(d) $\frac{8}{13}$

2 Which of the following expressions is equal to $\frac{7}{9}$?

(a) $\frac{1}{3} + \frac{1}{3} + \frac{5}{3}$

(b) $\frac{1}{9} + \frac{2}{9} + \frac{2}{9}$

(c) $\frac{2}{4} + \frac{5}{5}$

(d) $\frac{4}{9} + \frac{3}{9}$

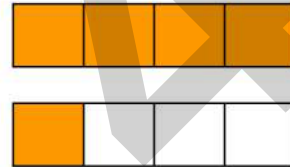
3 The opposite model represents ?

(a) $1 \frac{1}{3}$

(b) $\frac{5}{5}$

(c) $\frac{4}{5}$

(d) $\frac{5}{4}$

4 $4 \frac{1}{2} = \dots\dots\dots$ (as an improper fraction)

(a) $\frac{5}{2}$

(b) $\frac{7}{2}$

(c) $\frac{9}{2}$

(d) $\frac{9}{4}$

5 $4 + \frac{7}{11} + 2 + \frac{1}{11} = \dots\dots\dots$

(a) $6 \frac{8}{11}$

(b) $6 \frac{8}{22}$

(c) $2 \frac{6}{11}$

(d) $7 \frac{8}{11}$

6 $\frac{6}{10} - \frac{2}{10} = \dots\dots\dots$

(a) $\frac{8}{10}$

(b) $\frac{4}{10}$

(c) $\frac{4}{20}$

(d) $\frac{8}{20}$

7 $2 - \frac{5}{7} = \dots\dots\dots$

(a) $1 \frac{2}{7}$

(b) 1

(c) $\frac{10}{7}$

(d) $1 \frac{5}{7}$

8 Which relation is correct ?

(a) $\frac{7}{12} > \frac{7}{9}$

(b) $\frac{7}{8} < \frac{7}{10}$

(c) $\frac{7}{15} > \frac{7}{9}$

(d) $\frac{7}{13} < \frac{7}{11}$

9 Which of the following fractions is the least ?

(a) $\frac{3}{5}$

(b) $\frac{2}{5}$

(c) $\frac{1}{5}$

(d) $\frac{4}{5}$

Q2: Answer the following :-

1 Amira cut a cake into 8 equal parts and ate one part of them.
What is the fraction that represents the remaining parts ?

.....

.....

2 Mona has $24\frac{1}{2}$ pounds, she bought a doll for $22\frac{1}{2}$ pounds.
How much money left with her ?

.....

.....

3 Order the following fractions

(a) $\frac{1}{7}$, $\frac{1}{5}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{10}$ in an ascending order.

.....

(b) $\frac{2}{5}$, $\frac{2}{9}$, $\frac{2}{3}$, $\frac{2}{10}$, $\frac{2}{4}$ in a descending order.

.....

4 Convert :

(a) $\frac{17}{3}$ (as mixed)

(b) $6\frac{4}{5}$ (as an improper)

5 Solve the following problems using your favorite strategy.

a $2 \frac{1}{7} + 3 \frac{3}{7}$

b $2 \frac{6}{9} - 1 \frac{2}{9}$

6 Complete the following:-

a $4 \frac{5}{6} + \text{-----} = 6 \frac{5}{6}$

b $\text{-----} - 3 \frac{1}{3} = 1 \frac{1}{3}$

7 Write if each pair of fractions are equivalent or not

a $\frac{2}{3}$ and $\frac{5}{6}$

d $\frac{4}{8}$ and $\frac{3}{6}$

Q1: Choose the correct answer :-

1 $\frac{7}{15} > \text{-----}$

(a) $\frac{3}{4}$

(b) $\frac{5}{8}$

(c) $1\frac{1}{8}$

(d) $\frac{1}{8}$

2 $\frac{14}{3} = \text{-----}$ as a mixed number.

(a) $4\frac{1}{3}$

(b) $3\frac{2}{4}$

(c) $4\frac{2}{3}$

(d) $2\frac{2}{3}$

3 Which of the following is the least ?

(a) $\frac{4}{9}$

(b) $\frac{7}{9}$

(c) $\frac{2}{9}$

(d) 1

4 $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \text{-----}$

(a) $\frac{4}{5}$

(b) $3 \times \frac{1}{5}$

(c) $\frac{111}{5}$

(d) $\frac{3}{15}$

5 $\frac{3}{8} = \text{-----}$

(a) $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

(b) $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

(c) $1 + \frac{2}{8}$

(d) $2 + \frac{1}{8}$

6 $\frac{7}{8} = \text{-----}$

(a) $\frac{21}{11}$

(b) $1\frac{7}{4}$

(c) $\frac{14}{16}$

(d) $\frac{14}{24}$

7 $2\frac{3}{7} = \text{-----}$ "as an improper fraction."

(a) $\frac{17}{3}$

(b) $\frac{17}{7}$

(c) $\frac{14}{7}$

(d) $\frac{11}{7}$

8 Which fraction is equivalent to $\frac{4}{12}$?

(a) $\frac{8}{20}$

(b) $\frac{2}{9}$

(c) $\frac{1}{4}$

(d) $\frac{3}{9}$

- 9 Ahmed has 20 cakes. if $\frac{3}{5}$ of them are covered with chocolate, then the number of chocolate cakes = cakes.

(a) 10 (b) 13 (c) 12 (d) 17

Q2: Answer the following :-

- 1 Aya used $3\frac{4}{6}$ kg of meat. Toqa used $2\frac{2}{6}$ kg of meat.
What is the total amount of meat did they use altogether ?

.....
.....

- 2 Youssef has 18 apples. Two thirds of the apples are red .
How many apples are red ?

.....
.....

- 3 Use the benchmark fractions 0 , $\frac{1}{2}$, and 1 to order the following fractions from least to greatest.

$$\frac{3}{8}, \frac{7}{9}, \frac{5}{10}$$

.....

- 4 Arrange the following fractions from the greatest to the least

$$\frac{7}{9}, \frac{4}{9}, \frac{9}{9}, \frac{1}{9}, \frac{5}{9}$$

.....

- 5 Habiba is making pancake batter. The recipe calls for $\frac{7}{10}$ of a jug of milk, and she only has $\frac{2}{10}$ of a jug of milk.

How much more milk does Habiba need to make the pancake batter ?

- 6 Order the following fractions in an ascending order .

$$\frac{7}{5} , \frac{4}{10} , \frac{9}{4} , \frac{1}{9} , \frac{5}{7}$$

- 7 The day is 24 hours, how many hours are there in $\frac{2}{3}$ day ?

(خالص الأمنيات، وبدوام التوفيق للجميع)

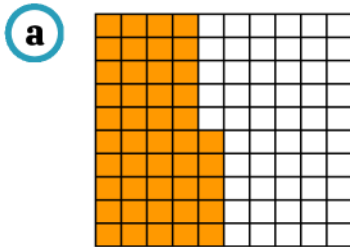
Q1: Choose the correct answer :-

30

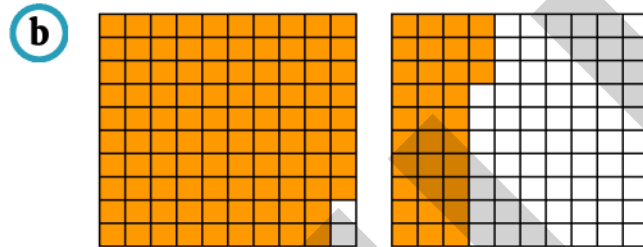
- 1 $\frac{3}{10} = \text{-----}$ (as a decimal)
(a) 0.7 (b) 0.3 (c) 0.03 (d) 0.07
- 2 Which decimal shows eight hundredths ?
(a) 8.00 (b) 0.08 (c) 0.80 (d) 800
- 3 Which of the following is equal to 1 ?
(a) $\frac{10}{100}$ (b) $\frac{10}{10}$ (c) 0.1 (d) 1.1
- 4 The word form of 0.6 is -----
(a) sixty (b) six (c) six tenths (d) six hundredths
- 5 The expanded form for the number 3.15 is -----
(a) $3 + 0.2 + 0.05$ (b) $3 + 0.1 + 0.05$ (c) $5 + 0.1 + 0.3$ (d) $1 + 0.3 + 0.5$
- 6 The standard form for the number:
3 ones, 5 Tenths, 7 Hundredths.
(a) 3.57 (b) 3.75 (c) 7.53 (d) 5.37
- 7 7 tenths = ----- hundredths.
(a) 70 (b) 10 (c) 7 (d) 17
- 8 29 tenths = -----
(a) 0.29 (b) 2.9 (c) 9.2 (d) 90.2
- 9 $3.4 = \text{-----}$ tenths.
(a) 34 (b) 340 (c) 3.4 (d) 0.34

Q2: Answer the following :-

1 Record what decimal is shown.



.....



.....

2 Write the number 4.15 in :

a Word form :

b Expanded form :

3 A tree with a length of $5 \frac{39}{100}$, represent the length of the tree in :

a Unite form :

b Expanded form :

4 a How many tenths are there in 3 ?

b How many hundredths are there in 4 ?

- 5 Mariam has 9 cakes. $\frac{2}{3}$ of them are chocolate.
How many chocolate cakes are there ?

.....

.....

.....

- 6 Khalid ate $\frac{1}{5}$ from the candy box, so if there were 25 pieces in the box. How many pieces did Khalid eat ?

.....

.....

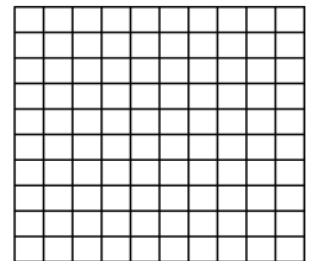
.....

- 7 Ahmed had a quilt that his mother bought for him.
0.45 of it was colored blue . 0.3 of it was red. the rest was yellow

a Color in the quilt to match the decimals described.

b What decimal of Ahmed's quilt was yellow ?

.....



(خالص الأمنيات، وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

1 The digit in the tenths place in the number 56.79 is

- (a) 5 (b) 6 (c) 7 (d) 9

2 The value of the digit 3 in the number 15.23 is

- (a) 0.03 (b) 0.30 (c) 3 (d) 30

3 $7 + 0.1 + 0.05 =$

- (a) 71.5 (b) 7.15 (c) 7.51 (d) 1.75

4 $0.07 =$ (as a fraction)

- (a) $\frac{7}{10}$ (b) $\frac{70}{10}$ (c) $\frac{7}{100}$ (d) $\frac{70}{100}$

5 Which fraction is equivalent to 0.9 ?

- (a) $\frac{90}{10}$ (b) $\frac{9}{10}$ (c) $\frac{9}{100}$ (d) 90

6 $\frac{35}{100} + \frac{2}{10} <$ -----

- (a) $\frac{7}{10}$ (b) $\frac{3}{10}$ (c) $\frac{55}{100}$ (d) $\frac{49}{100}$

7 0.6  0.49

- (a) $<$ (b) $=$ (c) $>$ (d) otherwise

8 $0.07 + 0.2 =$ -----

- (a) 72 tenths (b) 27 tenths (c) 72 hundredths (d) 27 hundredths

9 $2\frac{1}{10} + 3\frac{1}{100} =$ -----

- (a) 5.2 (b) 5.12 (c) 5.11 (d) 5.22

Q2: Answer the following :-

- 1 Muhammad bought 1.5 kilograms of tomatoes. while Khaled bought 1.6 kilograms of tomatoes.
Who bought less ?

.....

.....

- 2 Mazen drank 0.6 liter of juice. Omar drank $\frac{4}{10}$ liter of juice.
Who drank more ?

.....

.....

- 3 Sara has $\frac{5}{10}$ liters of orange juice and $\frac{35}{100}$ liters of apple juice.
How many liters does Sara have in all ?

.....

.....

- 4 Nora wrote 7.03 in word form as seven and 3 tenths
Is Nora right or wrong ? If she is wrong correct her mistake.

.....

.....

- 5 Write the standard form for $0.7 + 4 + 0.09$

.....

- 6 Hana bought a pizza pie and divided it into 10 equal slices , she gave Doha 0.3 of the pizza and gave Adam 0.5 of the pizza . What decimal is the remainder ?

.....

.....

- 7 Write an equivalent fraction and an equivalent decimal.

a 0.70

The fraction :

The decimal :

b $4 \frac{30}{100}$

The fraction :

The decimal :

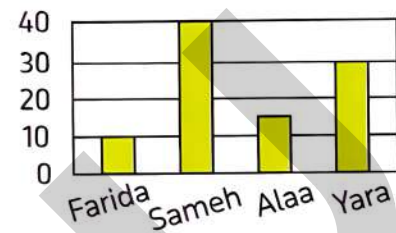
(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

20

- 1** The opposite graph shows marks for 4 students, which student got lowest mark ?

(a) Alaa (b) Farida
(c) Yara (d) Sameh



- 2** Which type of graphs is suitable for the opposite data ?

(a) line plot (b) bar graph
(c) double bar graph

Name	Ahmed	Nora	Ola	Ali
Age	13	17	15	10

- 3** The horizontal and vertical lines of graph are called

(a) keys (b) titles (c) number of sets (d) axes

- 4** Which of the following can be represented by a line plot ?

(a) favorite animal (b) favorite movie (c) height (d) favorite food

- 5** Which type of graphs is suitable to represent these data ?

(a) bar graph (b) line plot
(c) double bar graph

1	3	2	5	1	4
3	2	4	1	3	1
2	1	3	4	1	5

- 6** To compare between rainfall in egypt in the two years 2023 and 2024, we use

(a) bar graph (b) pictograph (c) line plot (d) double bar graph

- 7** is the representation of data through individual columns .

(a) bar graph (b) pictograph (c) double bar graph (d) line plot

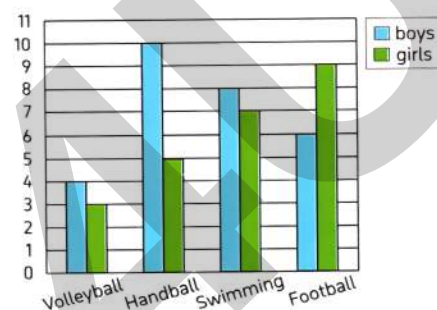
8 The following table can be represented by

- (a) line plot (b) pictograph
(c) double bar graph (d) bar graph

Subject	Arabic	Math	Science	English
Boys	30	35	39	40
Girls	25	40	39	30

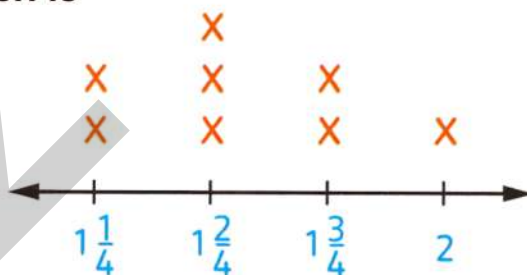
9 The number of girls in handball equals

- (a) 10 (c) 5
(b) 4 (d) 7



10 In the opposite figure, the number which is most repeated is

- (a) 2 (b) $1\frac{3}{4}$
(c) $1\frac{2}{4}$ (d) 1



Q2: Answer the following :-

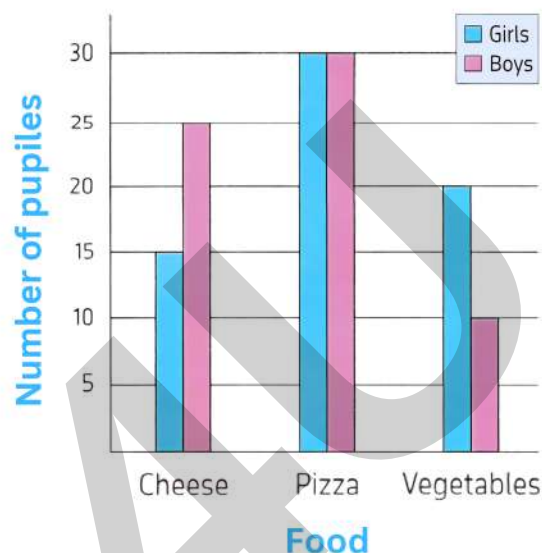
1 Use the following data to make a line plot .

$6\frac{1}{2}$	7	5	7	7	6	$6\frac{1}{2}$	$7\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$
$5\frac{1}{2}$	6	$6\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	7	5	6	$6\frac{1}{2}$	$5\frac{1}{2}$



- 2** The opposite graph represents the favorite food to boys and girls in grade 4. Answer the questions :

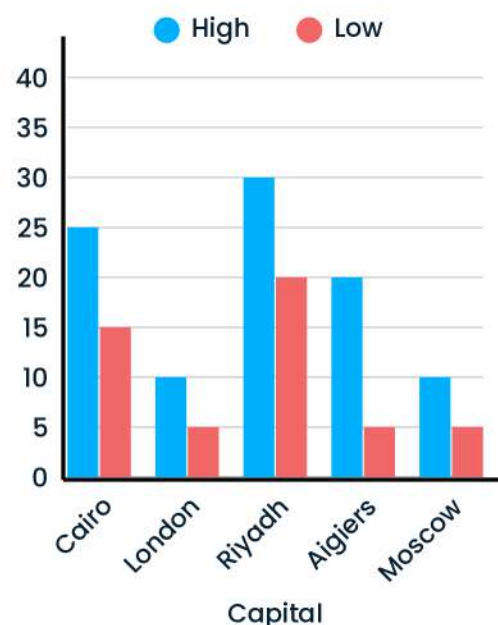
- a** What is the number of girls in grade 4 ?
.....
- b** What is the number of boys who liked cheese ?
.....
- c** Which type of food that liked by the same number of boys and girls ?
.....
- d** What is the difference between the number of boys and girls who liked vegetables ?
.....



- 3** The following double bar graph shows the highest and lowest temperature degrees in some of the world's capitals in a day. Observe the graph, then answer the questions.

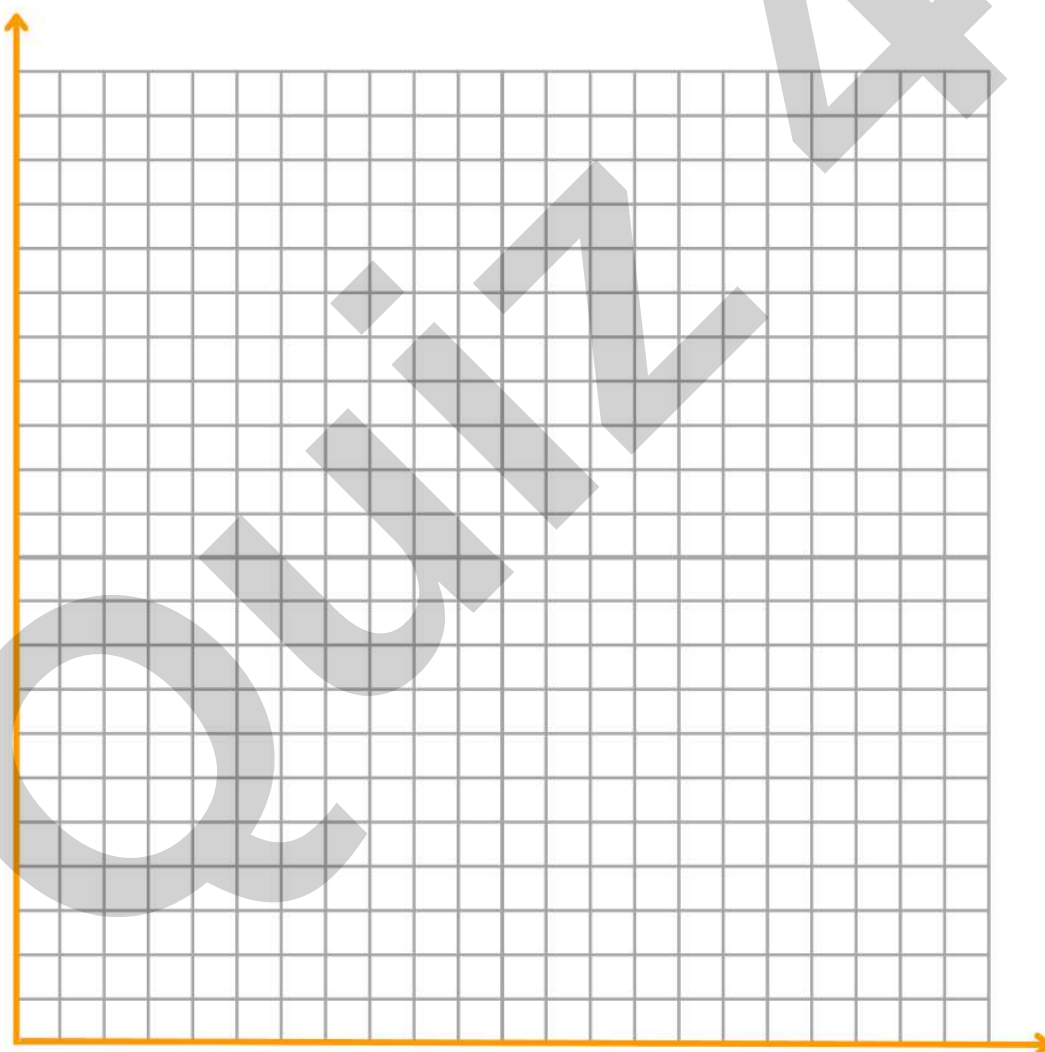
- a** Calculate the difference between the highest temperature between Cairo and Moscow.
.....
- b** Which capital had the highest temperature?
.....
- c** Calculate the difference between the highest and lowest temperature in Algiers.
.....
- d** What is the lowest temperature in Cairo ?
.....

Temperature
Degrees



- 4 The following data shows the number of study hours in a week by Eslam and Mina . Represent these data by a double bar graph.

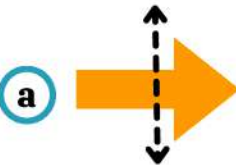
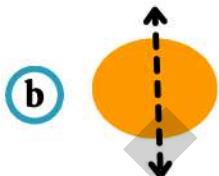
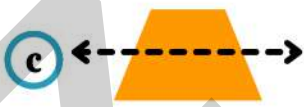
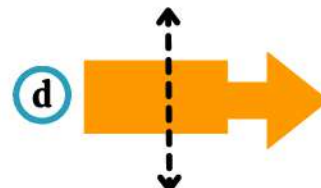
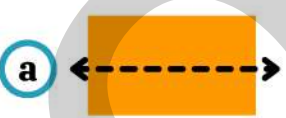
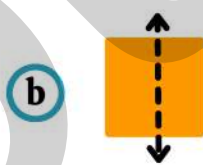
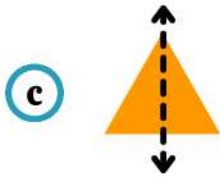
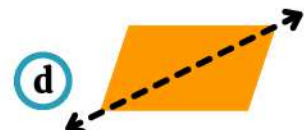
days name	Sat.	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.
Eslam	3	4	$5\frac{1}{2}$	5	3	5	$3\frac{1}{2}$
Mina	$3\frac{1}{2}$	3	5	6	$4\frac{1}{2}$	$6\frac{1}{2}$	2



(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

30

- 1 The opposite figure is named as 
 - (a) 
 - (b) 
 - (c) 
 - (d) 
- 2 A / An is a part of a line and has two endpoints. 
 - (a) A point
 - (b) A line segment
 - (c) An angle
 - (d) A straight line
- 3 The opposite two lines are 
 - (a) perpendicular
 - (b) not intersecting
 - (c) parallel
 - (d) intersecting and not perpendicular
- 4 Which of the following shows a line of symmetry ?
 - (a) 
 - (b) 
 - (c) 
 - (d) 
- 5  has line(s) of symmetry ?
 - (a) 4
 - (b) 0
 - (c) 1
 - (d) 2
- 6 All the following figures show a line of symmetry except.....
 - (a) 
 - (b) 
 - (c) 
 - (d) 
- 7 Which angle that is greater than the right angle ?
 - (a) an acute angle
 - (b) a right angle
 - (c) a straight line
 - (d) an obtuse angle
- 8 The measure of the acute angle  the measure of the right angle.
 - (a) <
 - (b) =
 - (c) >
- 9 ----- is formed by two rays that share an endpoint.
 - (a) A point
 - (b) A line segment
 - (c) An angle
 - (d) A ray

Q2: Answer the following :-

- 1 a Draw line $\overleftrightarrow{XY}$ is parallel to line segment $\overline{AB}$



- b Draw $\overleftrightarrow{WX}$ is perpendicular to $\overleftrightarrow{YZ}$

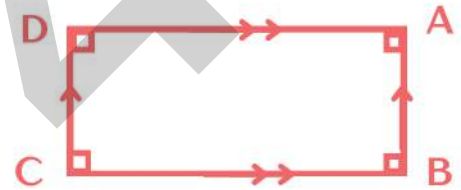


- 2 From the opposite figure .

- a A pair of parallel line segments.



- b A pair of perpendicular line segments.



- 3 Draw one line of symmetry for each one.

a

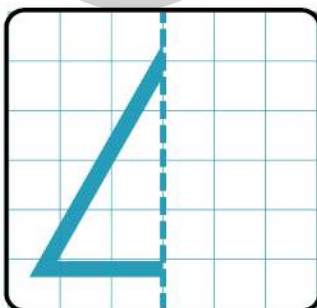


b

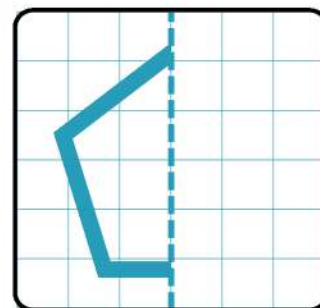


- 4 Use the drawn line of symmetry to draw the other half.

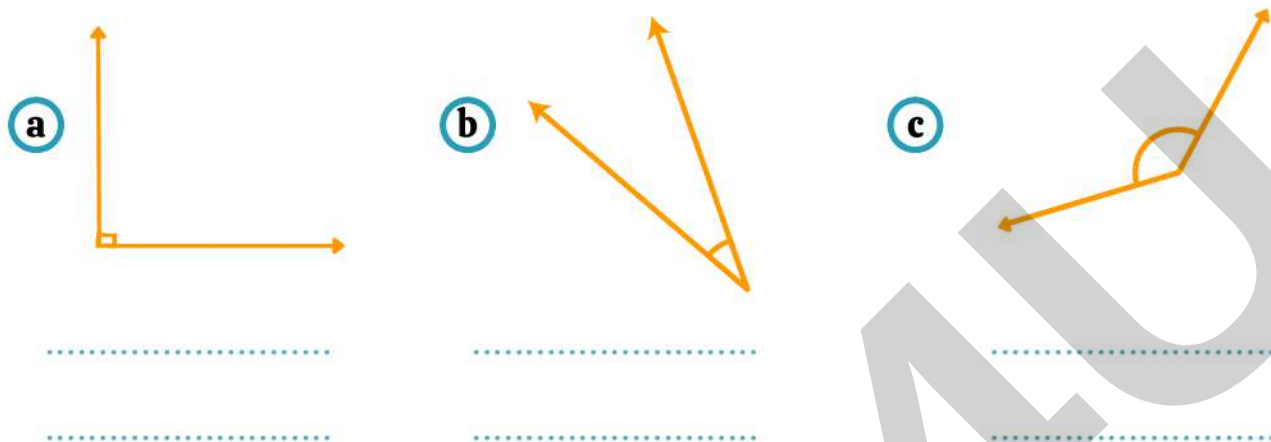
a



b



- 5** Write whether each angle is larger than, smaller than or equal to a right angle, then write the kind of each angle

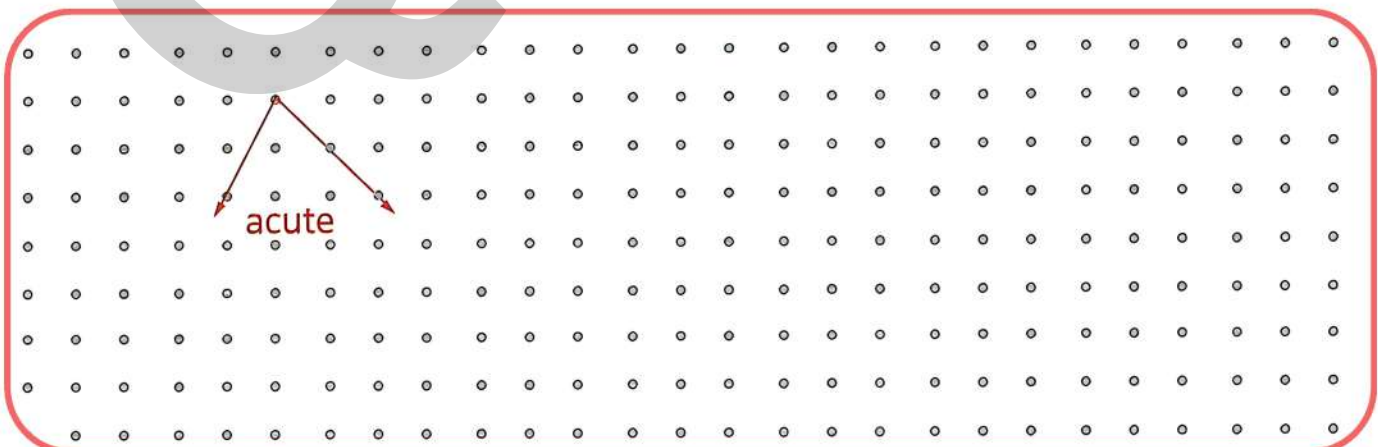


- 6** Circle all the right angles in the following figures

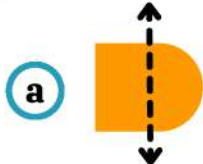
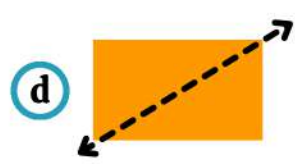


- 7** Use a ruler to connect the dots to draw and label the following in the grid.

- a** Two acute angles that share an endpoint.
b 2 right angles. **c** 2 obtuse angles.



Q1: Choose the correct answer :-

- 1 The opposite figure is named as 
 - a 
 - b 
 - c 
 - d 
- 2 is a polygon with six sides.
 - a Triangle
 - b Pentagon
 - c Hexagon
 - d Quadrilateral
- 3 The classification of the opposite triangle, is 
 - a isosceles, obtuse
 - b isosceles, acute
 - c equilateral, acute
 - d scalene, acute
- 4 A is a parallelogram with all sides are the same length.
 - a parallelogram
 - b rectangle
 - c trapezium
 - d rhombus
- 5 Which of the following shows a line of symmetry ?
 - a 
 - b 
 - c 
 - d 
- 6 The opposite lines show 
 - a parallel lines
 - b intersecting lines
 - c perpendicular lines
 - d not intersecting lines
- 7 Which figure shows a right angle ?
 - a 
 - b 
 - c 
 - d 
- 8 The equilateral triangle has equal side(s).
 - a 0
 - b 1
 - c 2
 - d 3
- 9 The number of equal sides in the scalene acute triangle is
 - a 0
 - b 1
 - c 2
 - d 3

Q2: Answer the following :-

- 1 Draw $\overleftrightarrow{LM}$ is perpendicular to $\overleftrightarrow{AB}$.



- 2
- a Draw an obtuse angle.
- b Draw a right angle.

.....

.....

.....

- 3 Hany is making a design using a quadrilateral that has four equal sides and four same-sized angles.
What shape is Hany using ? Draw the design.

.....

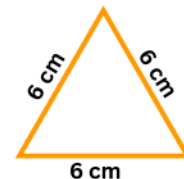
.....

.....

- 4
- a The type of the opposite triangle according to its angles is

.....

- b The perimeter of triangle = cm.



- 5 Draw a line segment XY.

.....

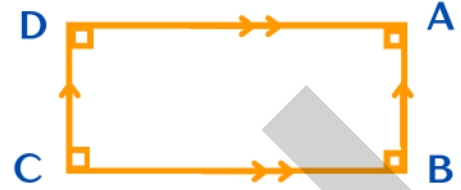
6 From the opposite figure .

a A pair of parallel line segments.

.....

b A pair of perpendicular line segments.

.....



7 Draw according to each description. label the shapes you drawn.

a A quadrilateral that has one pair of parallel sides.

.....

b A quadrilateral that has 4 right angles and all the sides are equal.

.....

(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

- 1 angle measures 180°
 (a) An acute (b) A right (c) An obtuse (d) A straight

- 2 The best measure estimation of the opposite angle is
 (a) 40° (b) 90° (c) 130° (d) 170°

- 3 The angle which measure is 180° represents a fraction of
 (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{3}{4}$

- 4 Which angle is measured 135° ?



- 5 The fraction which represents the colored part =

- (a) $\frac{2}{3}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{5}{6}$



- 6 angle measures between 0° and 90° .

- (a) An acute (b) A right (c) An obtuse (d) A straight

- 7 The measure of the colored angle of the opposite model is^o

- (a) 90 (b) 100 (c) 150 (d) 180

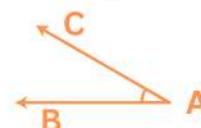


- 8 The straight angle is the same as right angles.

- (a) 1 (b) 2 (c) 3 (d) 4

- 9 The name of the opposite angle is

- (a) $\angle ACB$ (b) $\angle ABC$ (c) $\angle BAC$ (d) $\angle CBA$



Q2: Answer the following :-

- 1** Draw $\angle ABC$ with measure of 130° and classify it by its type.

.....

.....

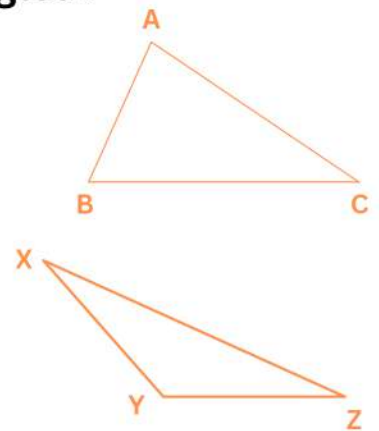
.....

- 2** Measure each of the following angles, then classify each angle by its type.



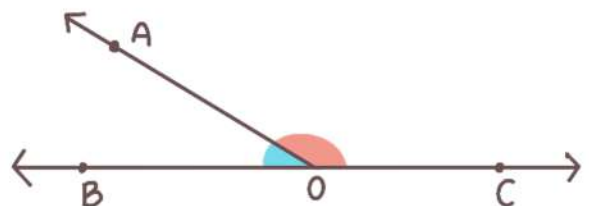
- 3** By using your geometric instrument (ruler and protractor)
Determine the type of each of the following triangles .

- a** Type of $\triangle ABC$ with respect to its sides
- Type of $\triangle ABC$ with respect to its angles
- b** Type of $\triangle XYZ$ with respect to its sides
- Type of $\triangle XYZ$ with respect to its angles

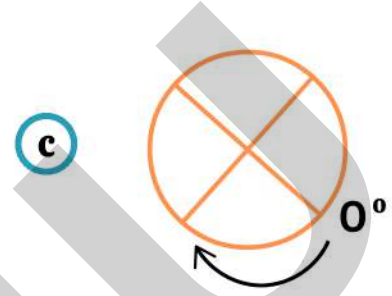
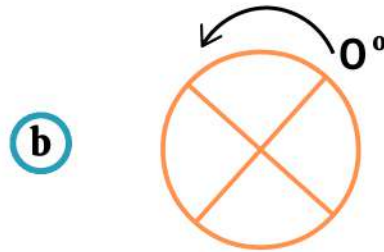
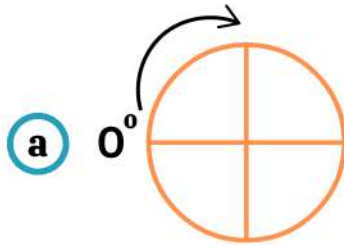


- 4** in the opposite figure

- a** $\angle$ is an acute angle .
- b** $\angle$ is an obtuse angle .

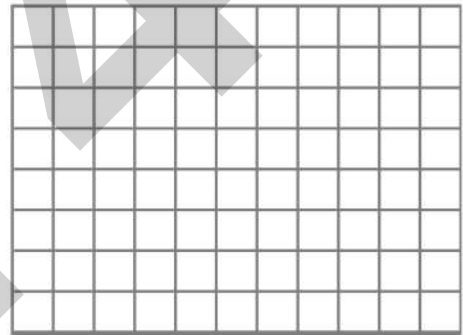


- 5 Move from 0° in the given direction. Then label 90° , 180° , 270° and 360° on each circle.



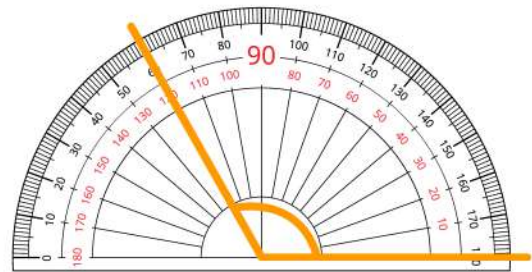
- 6 Draw ($\angle ABC$) with measure 110° and write its type.

Type :



- 7 In the opposite angle :

- a its measure is
b And type is angle.



(خالص الأمنيات وبدوام التوفيق للجميع)

Model (1)

Question 1 : Choose the correct answer :

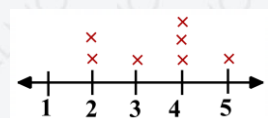
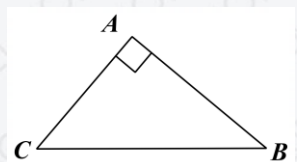
- 1 is an acute angle .
 (a) 70^0 (b) 105^0 (c) 90^0 (d) 179^0
- 2 The angle of measure 70^0 is a/an angle .
 (a) acute (b) obtuse (c) right (d) straight
- 3 The measure of the right angle =
 (a) 90^0 (b) 30^0 (c) 200^0 (d) 180^0
- 4 The rhombus has Equal side(s) .
 (a) 1 (b) 2 (c) 3 (d) 4
- 5 A is quadrilateral with one pair of parallel sides and the sides aren't equal.
 (a) Trapezium (b) Rectangle (c) Square (d) Rhombus
- 6 A double bar graph is used to display of data on a graph.
 (a) 1 group (b) 2 groups (c) 3 groups (d) 4 groups
- 7 The following table can be represent by

Subject	Arabic	English	Math
Bassem	30	35	39
Mona	25	40	37

 (a) a line plot (b) a bar graph (c) a double bar graph
- 8 The opposite figure called a
 (a) Straight line (b) Ray (c) Line segment (d) Point
- 9 The opposite figure named as
 (a) $\overline{AC}$ (b) $\overleftrightarrow{AC}$ (c) $\overrightarrow{AC}$ (d) Point

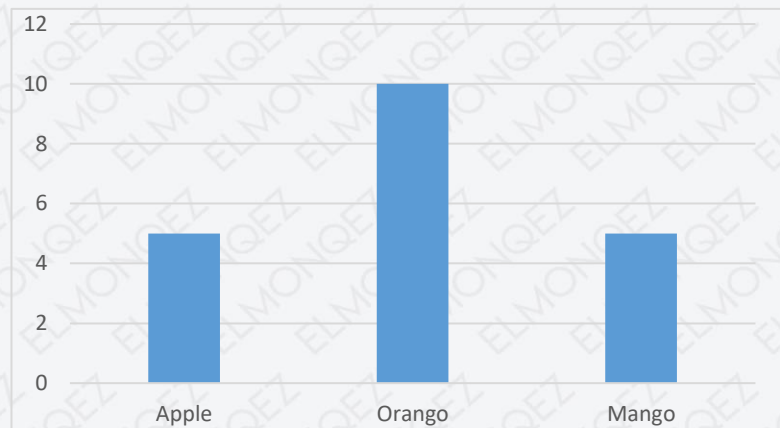
Question 2 : Answer the following questions :

- 1 Consider the following triangle (using your geometric instrument).
 1- Type of $\triangle ABC$ with respect to its sides
 2- Type of $\triangle ABC$ with respect to its angles
- 2 The most occurred number in the opposite line plot is

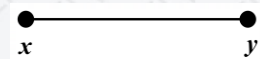


3 Complete the table using the opposite bar graph

Fruit	Apple	Orange	Mango
Number of studens			



4 Draw the straight line $\overleftrightarrow{AB}$ is perpendicular to $\overline{xy}$



5 Draw a line segment xy .

6 By using the protractor , draw the angle with measure 60° , then determine its type.

7 Draw an angle of measure 80° , classify its type .

Model (2)

Question 1 : Choose the correct answer :

- 1 The Is an parallelogram with 4 right angles .
 - (a) Rectangle
 - (b) Rhombus
 - (c) Square
 - (d) Trapuzium
- 2 The square has Right angle(s) .
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
- 3 Angle measure between 90° and 180°
 - (a) An acute
 - (b) An obtuse
 - (c) A right
 - (d) A straight

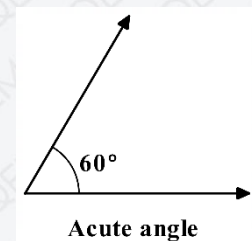
- 4 The angle of measure 90° is called angle .
 (a) A right (b) An obtuse (c) An acute (d) A straight
- 5 Number of degrees of the circle is
 (a) 180° (b) 270° (c) 360° (d) 450°
- 6 The quadrilateral which has four right angles and four equal sides is
 (a) A rhombus (b) A square (c) A rectangle (d) A triangle
- 7 The polygon which has 5 sides is called
 (a) A quadrilateral (b) A pentagon (c) A hexagon (d) An octagon
- 8 To put things together have the same property , we use
 (a) A line plot (b) A bar graph
 (c) A double bar graph (d) A Venn diagram
- 9 To show types of pets that some people have at home , we don't use
 (a) A line plot (b) A bar graph
 (c) A double bar graph (d) A Venn diagram

Question 2 : Answer the following questions :

- 1 Represent the following data by bars :

Student	Distance in meters
Tahani	$\frac{3}{4}$
Salah	$2\frac{1}{4}$
Ziad	$\frac{1}{2}$
Waleed	$1\frac{1}{2}$

- 2 From the opposite figure :
 Identify :
 a) a pair of parallel line segments .
 b) a pair of perpendicular line segments.

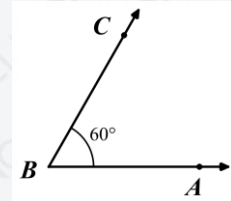


3 Complete :

- a) The measure of the central angle which represents $\frac{1}{4}$ of the circle is
- b) The measure of the straight angle is

4 In the opposite figure :

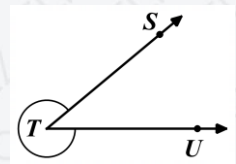
The name of opposite angle is
 , its measure , and its type is



5 Hala is making a design using a quadrilateral that has 4 equal sides and 4 right angles , what is Hala using ? draw the design

6 Complete : An obtuse angle measures between and

7 Complete :The opposite angle named as and



Model (3)

Question 1 : Choose the correct answer :

1 The opposite figure is named as

- (a) $\overleftrightarrow{AB}$ (b) $\overleftrightarrow{BA}$
 (c) $\overline{AB}$ (d) $\overline{BA}$



2 All the following letters has one line of symmetry except has more than one line of symmetry.

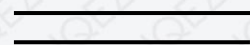
- (a) A (b) W (c) C (d) X

3 Which of the following can be represent by a line plot ?

- (a) Our favorite movie (b) Our height (c) Our favorite food

4 The two opposite lines are

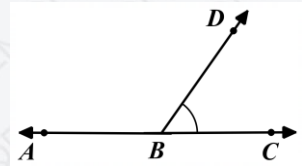
- (a) Intersecting (b) Parallel (c) perpendicular



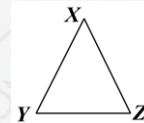
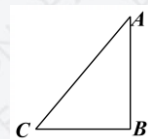
- 5 The right-angle triangle has right angles .
 (a) 5 (b) 4 (c) 9 (d) 1
- 6 The type of the triangle whose side lengths are 5cm , 5cm and 5cm is triangle.
 (a) An isosceles (b) An equilateral
 (c) An scalene (d) An obtuse-angled
- 7 Any triangle has acute angles at least .
 (a) 1 (b) 2 (c) 3 (d) 4
- 8 The related fraction to the angle of measure 180° is Of the circle .
 (a) $\frac{1}{6}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{2}$
- 9 The angle with measures 50° is
 (a) A right (b) An acute (c) An obtuse (d) A straight

Question 2 : Answer the following questions :

- 1 From the opposite figure :
 A) is an acute angle .
 b) is an obtuse angle .



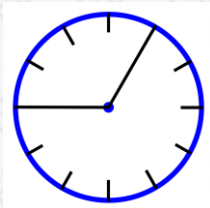
- 2 By using your geometric instruments determine the type of each of the following triangles.
 a) type of $\triangle ABC$ according to its sides
 b) type of $\triangle XYZ$ according to its sides



- 3 Draw angle ABC with measure 80° and classify its type .

- 4 Find the measure of the colored angle in degrees in each clock .

A)



B)

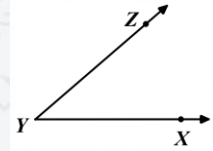


5 Represent the following table using the bar graph .

Name	Ahmed	Ali	Hala	Maha
Marks	3	7	5	8

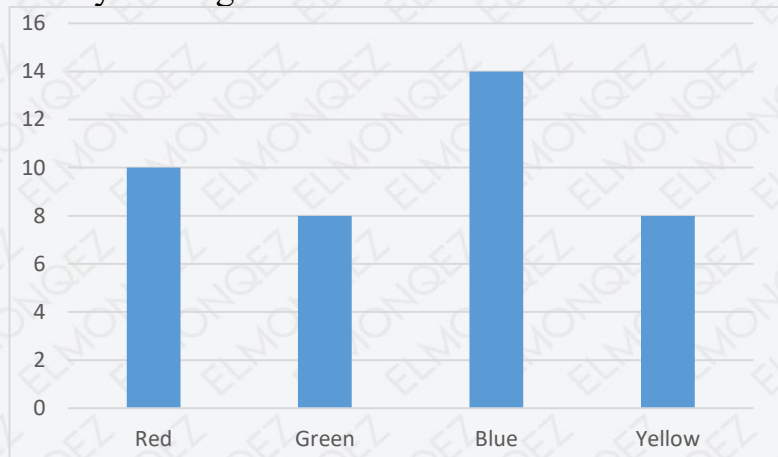
6 From the opposite figure complete :

- a) Name of angles
b) sides of the angles and



7 From the opposite figure complete :

- a) number of students who prefer green is
b) the color preferred by the largest number of students is



Model (4)

Question 1 : Choose the correct answer :

1 The opposite site shape is

- (a) A parallelogram (b) A trapezium (c) A rhombus (d) A rectangle



2 Which figure shows two perpendicular lines ?

- (a) (b) (c) (d)

3 This is

- (a) A point (b) A line segment (c) A line (d) A ray



4 The two Straight lines make 4 right angles .

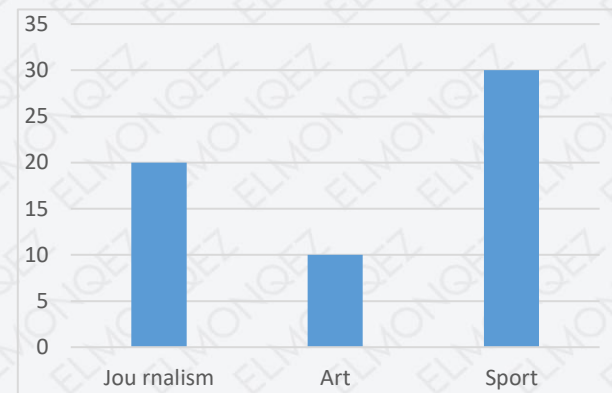
- (a) perpendicular (b) Intersecting (c) Parallel (d) Otherwise

- 5 Number of lines of symmetry of the circle is
- (a) 1 (b) 2 (c) 4 (d) Infinite
- 6 Is extended infinitely in the two directions .
- (a) The ray (b) The straight line
(c) The point (d) The line segment
- 7 Measure of the straight angle =
- (a) 60° (b) 90° (c) 270° (d) 180°
- 8 If the greatest angle of a triangle is right , then the triangle is called
- (a) An obtuse -angled triangle (b) A right – angled triangle
(c) An acute – angled triangle (d) An equilateral triangle
- 9 The sum of the measures of the angles around a point =
- (a) 90° (b) 180° (c) 30° (d) 360°

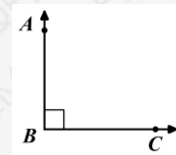
Question 2 : Answer the following questions :

- 1 From the opposite graph, complete:

The activity	journalism	Art	Sport
The number of students			

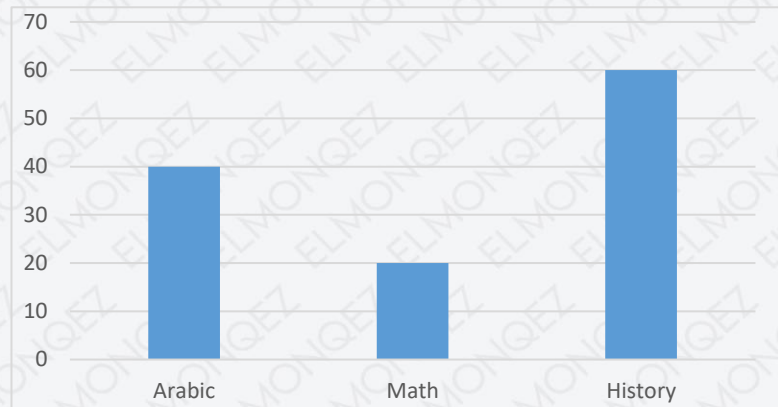


- 2 In the opposite figure :
- a) the name of the angle is
- b) the type of the angle is
- c) the measure of the angle is



- 3 Draw $\overleftrightarrow{CD}$ IS A parallel to $\overleftrightarrow{AB}$

- 4 In the opposite graph :
What is the number of students who like Arabic ?



- 5 Draw the angle ABC with measure 140° ?
- 6 What is the type of the angle representing $\frac{6}{12}$ in the circle ?
And what is its measure ?

- 7 Represent the following data using a double bar graph

Activity \ Grade	Sports	Cultural	Scientific	Social
Grade 4	35	40	25	20
Grade 5	25	15	30	20

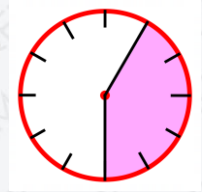
Model (5)

Question 1 : Choose the correct answer :

- 1 The opposite figure is called a
 (a) Point (b) Ray (c) Line segment (d) Straight line
- 2 A square with side lengths 3cm , then its area =square cm
 (a) 12 (b) 9 (c) 6 (d) 27
- 3 The triangle of side lengths 3cm , 5cm , 3cm is called triangle .
 (a) An equilateral (b) An isosceles (c) A scalene (d) An acute

4 The measure of the angle which represents the colored part is

- (a) 90° (b) 180°
(c) 270° (d) 150°



5 To complete between marks of Salma and Dina in Arabic , English , and math exams , we use a

- (a) Bar graph (b) Line plot
(c) Double bar graph (d) Pic to graph

6 is a quadrilateral has 1 pair of parallel sides .

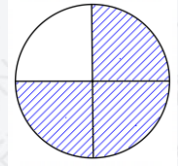
- (a) Trapezium (b) Square (c) Rhombus (d) triangle

7 $\frac{1}{4}$ of a circle measures

- (a) 60° (b) 90° (c) 180° (d) 360°

8 The shaded part in the opposite figure represents an angle of measures.....

- (a) 90° (b) 180°
(c) 270° (d) 360°



9 All sides are equal in lengths is the

- (a) Parallelogram (b) Rhombus (c) Trapezium (d) Rectangle

Question 2 : Answer the following questions :

1 Draw the angle ABC with measure 160°
Type :

2 Name three quadrilaterals have 2 pairs of parallel sides .
.....

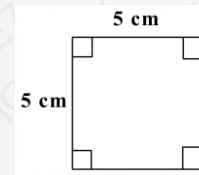
3 The opposite table shows the favorite games for some students

Game	Football	Basketball	Swimming
Number of students	36	12	18

a) What is the most favorite game?

b) How many students who prefer swimming?

- 4 What is the name of the opposite figure ?
Number of lines of symmetry

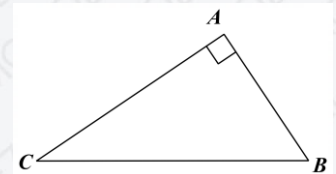


The angles are :

- 5 The following data shows the number of hours that Ahmed study in 3 days represent this data by a bar graph

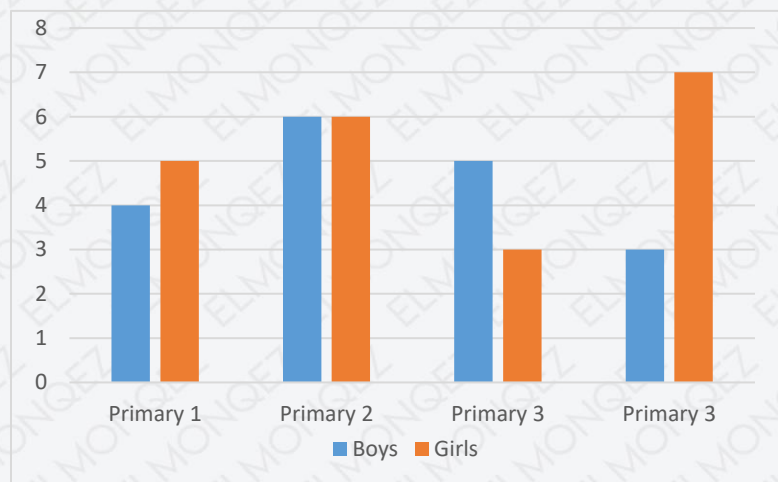
Day	Sat	Sun	Mon
Number of hours	$3\frac{1}{2}$	$4\frac{1}{2}$	$2\frac{1}{2}$

- 6 The type of $\triangle ABC$:
a) according to its sides:
b) according to its angles:



- 7 Complete the table:

pupils	Primary 1	Primary 2	Primary 3	Primary 4
Boys	...	6	5	...
Girls	5	...		7



Model (1)

Question 1 : Choose the correct answer :

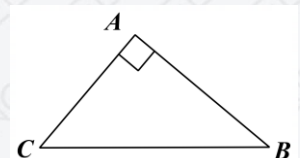
- ① is an acute angle .
 (a) 70^0 (b) 105^0 (c) 90^0 (d) 179^0
- ② The angle of measure 70^0 is a/an angle .
 (a) *acute* (b) *obtuse* (c) *right* (d) *straight*
- ③ The measure of the right angle =
 (a) 90^0 (b) 30^0 (c) 200^0 (d) 180^0
- ④ The rhombus has Equal side(s) .
 (a) 1 (b) 2 (c) 3 (d) 4
- ⑤ A is quadrilateral with one pair of parallel sides and the sides aren't equal.
 (a) Trapezium (b) Rectangle (c) Square (d) Rhombus
- ⑥ A double bar graph is used to display of data on a graph.
 (a) 1 group (b) 2 groups (c) 3 groups (d) 4 groups
- ⑦ The following table can be represent by

Subject	Arabic	English	Math
Bassem	30	35	39
Mona	25	40	37

- (a) *a line plot* (b) *a bar graph* (c) *a double bar graph*
- ⑧ The opposite figure called a
 (a) Straight line (b) Ray (c) Line segment (d) Point
- ⑨ The opposite figure named as
 (a) $\overline{AC}$ (b) $\overleftrightarrow{AC}$ (c) $\overrightarrow{AC}$ (d) Point

Question 2 : Answer the following questions :

- ① Consider the following triangle (using your geometric instrument).
 1- Type of $\triangle ABC$ with respect to its sides
 2- Type of $\triangle ABC$ with respect to its angles
 1- *scalene triangle*
 2- *right-angled triangle*

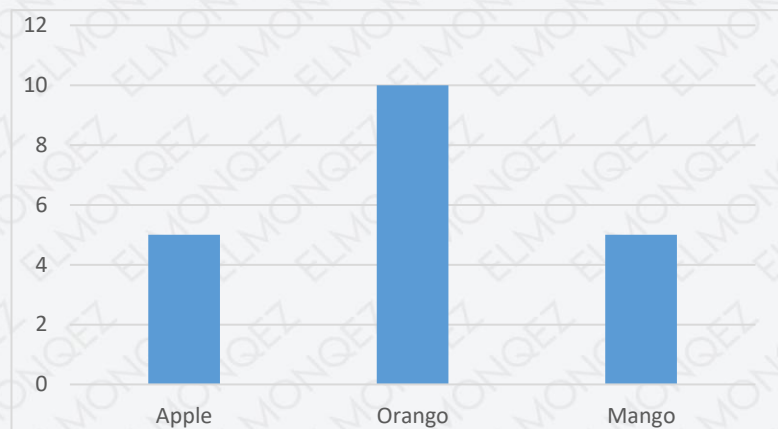


- 2 The most occurred number in the opposite line plot is 4

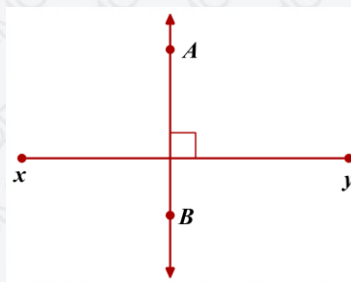
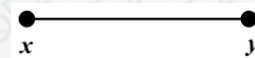


- 3 Complete the table using the opposite bar graph

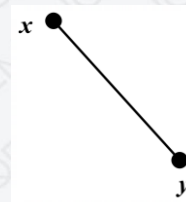
Fruit	Apple	Orange	Mango
Number of studens	5	10	5



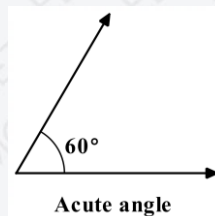
- 4 Draw the straight line $\overleftrightarrow{AB}$ is perpendicular to $\overline{xy}$



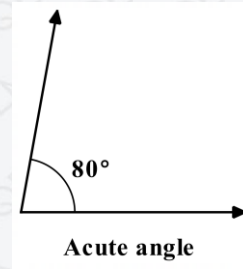
- 5 Draw a line segment xy .



- 6 By using the protractor , draw the angle with measure 60° , then determine its type.



7 Draw an angle of measure 80° , classify its type .



Model (2)

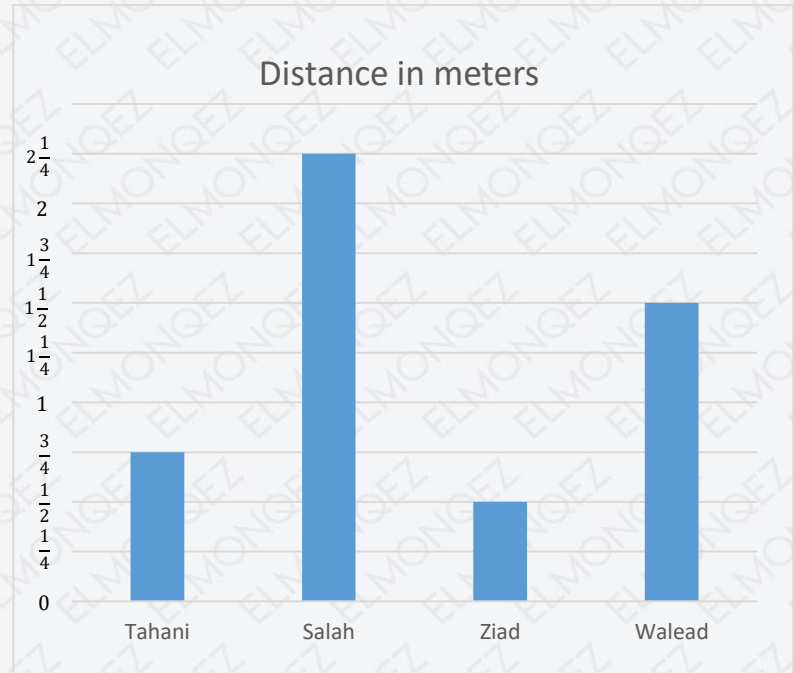
Question 1 : Choose the correct answer :

- 1 The Is an parallelogram with 4 right angles .
 (a) **Rectangle** (b) Rhombus (c) Square (d) Trapuzium
- 2 The square has Right angle(s) .
 (a) 1 (b) 2 (c) 3 (d) **4**
- 3 Angle measure between 90° and 180°
 (a) An acute (b) **An obtuse** (c) A right (d) A straight
- 4 The angle of measure 90° is called angle .
 (a) **A right** (b) An obtuse (c) An acute (d) A straight
- 5 Number of degrees of the circle is
 (a) 180° (b) 270° (c) **360°** (d) 450°
- 6 The quadrilateral which has four right angles and four equal sides is
 (a) A rhombus (b) **A square** (c) A rectangle (d) A triangle
- 7 The polygon which has 5 sides is called
 (a) A quadrilateral (b) **A pentagon** (c) A hexagon (d) An octogon
- 8 To put things together have the same property , we use
 (a) A line plot (b) **A bar graph** (c) A double bar graph (d) A Venn diagram
- 9 To show types of pets that some people have at home , we don't use
 (a) **A line plot** (b) A bar graph (c) A double bar graph (d) A Venn diagram

Question 2 : Answer the following questions :

1 Represent the following data by bars :

Student	Distance in meters
Tahani	$3\frac{3}{4}$
Salah	$2\frac{1}{4}$
Ziad	$1\frac{1}{2}$
Waleed	$1\frac{1}{2}$



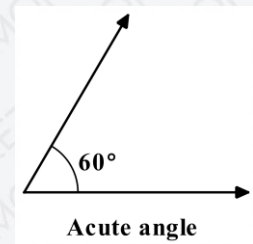
2 From the opposite figure :
Identify :

a) a pair of parallel line segments .

$\overline{AB}$ and $\overline{CD}$ or $\overline{AC}$ and $\overline{BD}$

b) a pair of perpendicular line segments.

$\overline{AB}$ and $\overline{BD}$ or $\overline{BD}$ and $\overline{DC}$ or
 $\overline{DC}$ and $\overline{CA}$ Or $\overline{CA}$ and $\overline{AB}$



3 Complete :

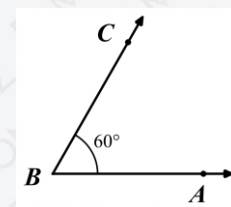
a) The measure of the central angle which represents $\frac{1}{4}$ of the circle is 90°

b) The measure of the straight angle is 180°

4 In the opposite figure :

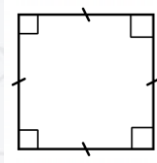
The name of opposite angle is $\angle B$ or ABC or CBA

, its measure 90° , and its type is right .

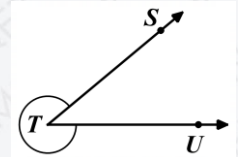


- 5 Hala is making a design using a quadrilateral that has 4 equal sides and 4 right angles , what is Hala using ? draw the design

Hala is using a square .



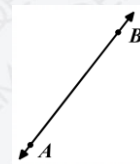
- 6 Complete : An obtuse angle measures between 90° and 180° .
- 7 Complete : The opposite angle named as $\angle UTS$, $\angle STU$ and $\angle T$.



Model (3)

Question 1 : Choose the correct answer :

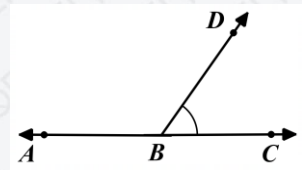
- 1 The opposite figure is named as
- (a) $\overline{AB}$ (b) $\overleftrightarrow{AB}$ (c) $\overrightarrow{AB}$ (d) $\overrightarrow{BA}$
- 2 All the following letters has one line of symmetry except has more than one line of symmetry.
- (a) A (b) W (c) C (d) X
- 3 Which of the following can be represent by a line plot ?
- (a) Our favorite movie (b) Our height (c) Our favorite food
- 4 The two opposite lines are
- (a) Intersecting (b) Parallel (c) perpendicular
- 5 The right-angle triangle has right angles .
- (a) 5 (b) 4 (c) 9 (d) 1
- 6 The type of the triangle whose side lengths are $5cm$, $5cm$ and $5cm$ is triangle.
- (a) An isosceles (b) An equilateral (c) An scalene (d) An obtuse-angled



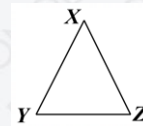
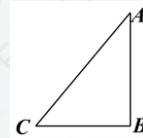
- 7 Any triangle has acute angles at least .
 (a) 1 (b) **2** (c) 3 (d) 4
- 8 The related fraction to the angle of measure 180° is Of the circle .
 (a) $\frac{1}{6}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) **$\frac{1}{2}$**
- 9 The angle with measures 50° is
 (a) A right (b) **An acute** (c) An obtuse (d) A straight

Question 2 : Answer the following questions :

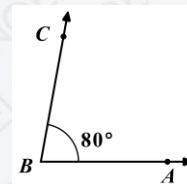
- 1 From the opposite figure :
 A) $\angle CBD$ is an acute angle .
 b) $\angle ABD$ is an obtuse angle .



- 2 By using your geometric instruments determine the type of each of the following triangles.
 a) type of $\triangle ABC$ according to its sides **scalene triangle**.
 b) type of $\triangle XYZ$ according to its sides **isosceles triangle**.

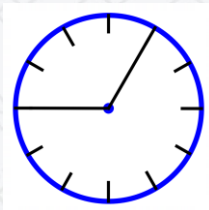


- 3 Draw angle ABC with measure 80° and classify its type .
A cute angle.



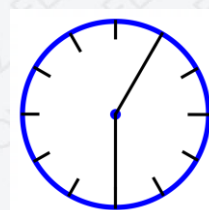
- 4 Find the measure of the colored angle in degrees in each clock .

A)



120°

B)

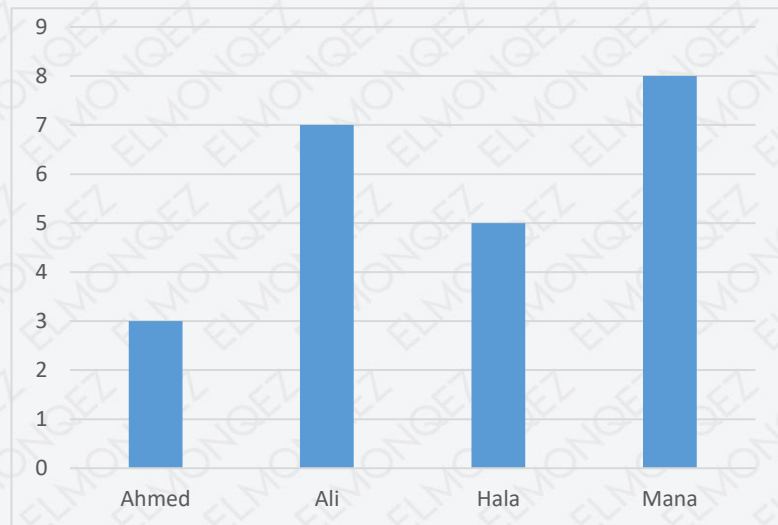


150°

5

Represent the following table using the bar graph .

Name	Ahmed	Ali	Hala	Maha
Marks	3	7	5	8

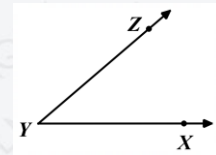


6

From the opposite figure complete :

a) Name of angles $\angle y$, $\angle xyz$, $\angle zyx$.

b) sides of the angles $\overrightarrow{YZ}$ and $\overrightarrow{YX}$.

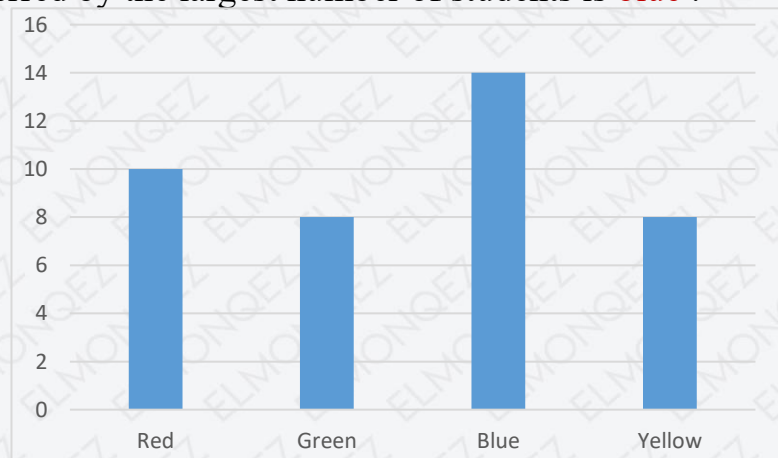


7

From the opposite figure complete :

a) number of students who prefer green is 8 .

b) the color preferred by the largest number of students is blue .



Model (4)

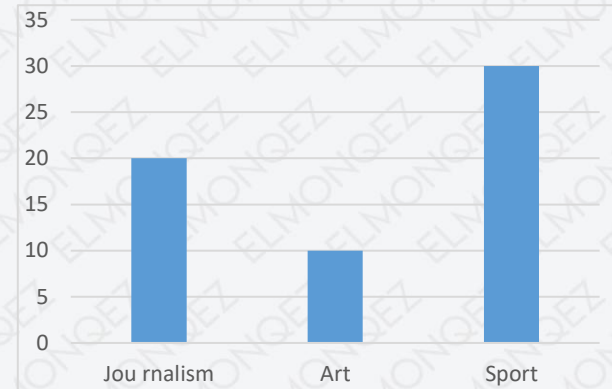
Question 1 : Choose the correct answer :

- 1 The opposite site shape is
 (a) A parallelogram (b) A trapezium (c) A rhombus (d) **A rectangle**
- 2 Which figure shows two perpendicular lines ?
 (a) (b) (c) (d)
- 3 This is
 (a) A point (b) A line segment (c) **A line** (d) A ray
- 4 The two Straight lines make 4 right angles .
 (a) **perpendicular** (b) Intersecting (c) Parallel (d) Otherwise
- 5 Number of lines of symmetry of the circle is
 (a) 1 (b) 2 (c) 4 (d) **Infinite**
- 6 Is extended infinitely in the two directions .
 (a) The ray (b) **The straight line** (c) The point (d) The line segment
- 7 Measure of the straight angle =
 (a) 60° (b) 90° (c) 270° (d) **180°**
- 8 If the greatest angle of a triangle is right , then the triangle is called
 (a) An obtuse -angled triangle (b) **A right – angled triangle** (c) An acute – angled triangle (d) An equilateral triangle
- 9 The sum of the measures of the angles around a point =
 (a) 90° (b) 180° (c) 30° (d) **360°**

Question 2 : Answer the following questions :

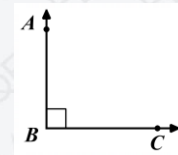
1 From the opposite graph, complete:

The activity	journalism	Art	Sport
The number of students	20	10	30

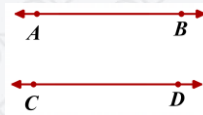


2 In the opposite figure :

- the name of the angle is $\angle B$, $\angle CBA$, $\angle ABC$
- the type of the angle is right angle
- the measure of the angle is 90°



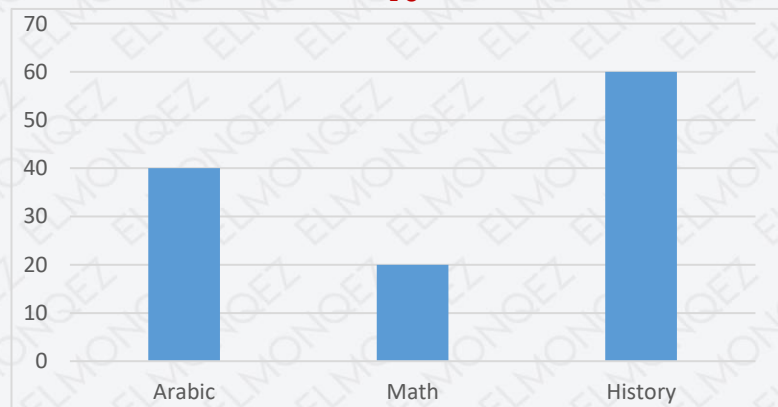
3 Draw $\overleftrightarrow{CD}$ IS A parallel to $\overleftrightarrow{AB}$



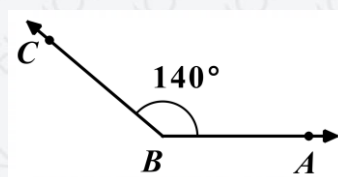
4 In the opposite graph :

What is the number of students who like Arabic ?

40



5 Draw the angle ABC with measure 140° ?



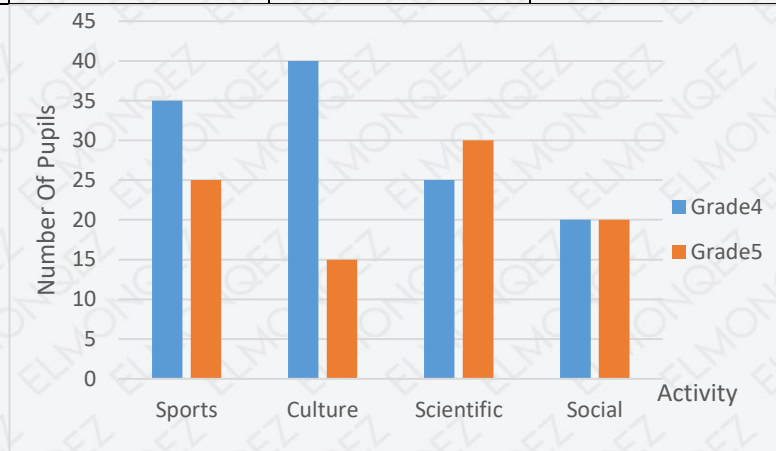
6 What is the type of the angle representing $\frac{6}{12}$ in the circle ?

And what is its measure ?

Straight angle , 180°

7 Represent the following data using a double bar graph

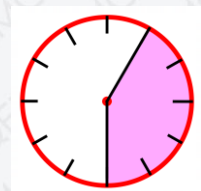
Activity \ Grade	Sports	Cultural	Scientific	Social
Grade 4	35	40	25	20
Grade 5	25	15	30	20



Model (5)

Question 1 : Choose the correct answer :

- 1 The opposite figure is called a
 (a) Point (b) **Ray** (c) Line segment (d) Straight line
- 2 A square with side lengths 3cm , then its area =square cm
 (a) 12 (b) **9** (c) 6 (d) 27
- 3 The triangle of side lengths $3\text{cm}, 5\text{cm}, 3\text{cm}$ is called triangle .
 (a) An equilateral (b) **An isosceles** (c) A scalene (d) An acute
- 4 The measure of the angle which represents the colored part is
 (a) 90° (b) 180°
 (c) 270° (d) **150°**



5 To complete between marks of Salma and Dina in Arabic , English , and math exams , we use a

- (a) Bar graph (b) Line plot
(c) **Double bar graph** (d) Pic to graph

6 is a quadrilateral has 1 pair of parallel sides .

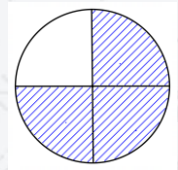
- (a) **Trapezium** (b) Square (c) Rhombus (d) triangle

7 $\frac{1}{4}$ of a circle measures

- (a) 60° (b) **90°** (c) 180° (d) 360°

8 The shaded part in the opposite figure represents an angle of measures.....

- (a) 90° (b) 180°
(c) **270°** (d) 360°



9 All sides are equal in lengths is the

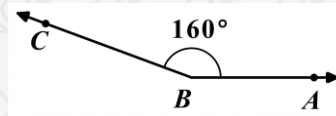
- (a) Parallelogram (b) **Rhombus** (c) Trapezium (d) Rectangle

Question 2 : Answer the following questions :

1 Draw the angle ABC with measure 160°

$\angle ABC = 160^\circ$.

Type : **obtuse angle**



2 Name three quadrilaterals have 2 pairs of parallel sides .

Parallelogram, square, rectangle.

3 The opposite table shows the favorite games for some students

Game	Football	Basketball	Swimming
Number of students	36	12	18

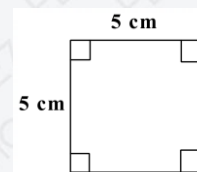
a) What is the most favorite game? **Football**

b) How many students who prefer swimming? **18**

4 What is the name of the opposite figure ? **square**

Number of lines of symmetry **4**

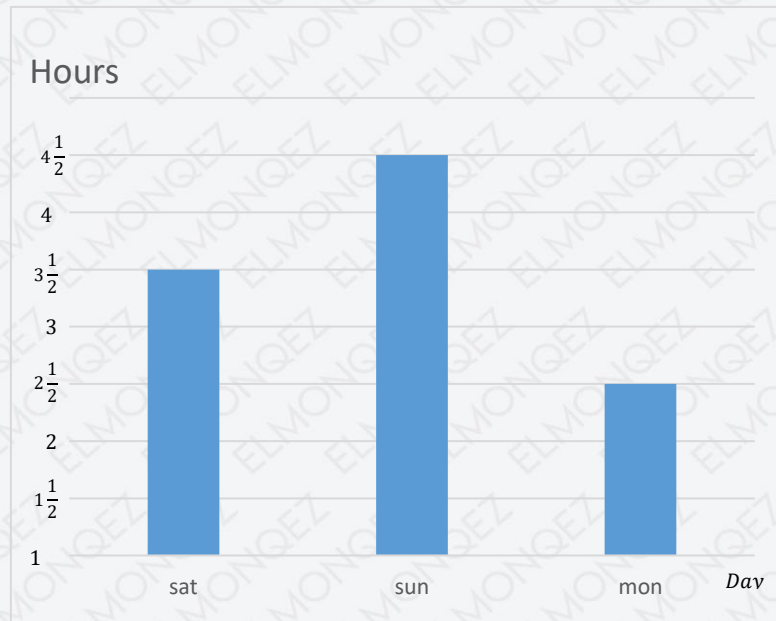
The angles are : **right angles**



5

The following data shows the number of hours that Ahmed study in 3 days represent this data by a bar graph

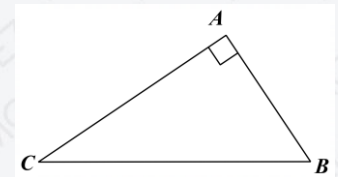
Day	Sat	Sun	Mon
Number of hours	$3\frac{1}{2}$	$4\frac{1}{2}$	$2\frac{1}{2}$



6

The type of $\triangle ABC$:

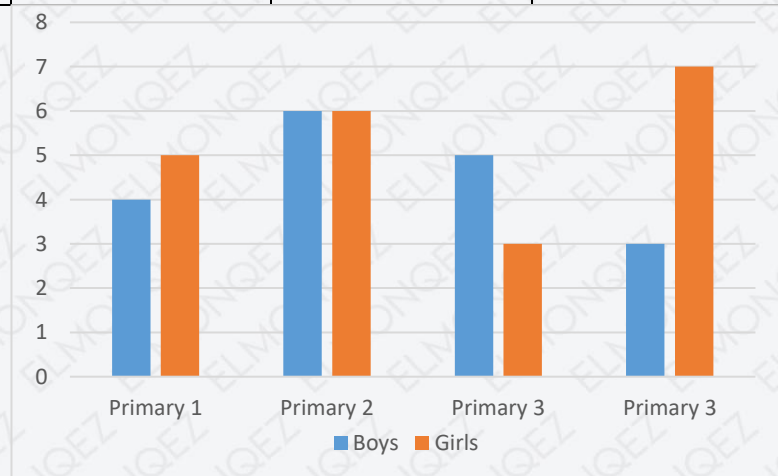
- according to its sides: **scalene triangle**.
- according to its angles: **right – angled triangle**.



7

Complete the table:

pupils	Primary 1	Primary 2	Primary 3	Primary 4
Boys	4	6	5	3
Girls	5	6	3	7



كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (6)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (7)

اختبار شهر ابريل



حمل الآن

مجاناً وحصرياً

المراجعة رقم (8)

اختبار شهر ابريل

